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Manufacturers' Record.

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NO CAUSE FOR WAR.

Publication of Emperor William's three-months-old letter to Madriz in Nicaragua is no justification for war talk in the United States, the "yellows' and stock-jobbers notwithstanding.

WALL STREET CANDIDATES.

Suggested by the mention of the name of President Woodrow Wilson of Princeton University as a possible nominee for the Presidency of the United States. the people of the country might bear in mind that not infrequently when Wall Street does not wish an individual to be a candidate for national office, it finds no difficulty in inducing some publicity agent, assuming to be against Wall Street, to announce that that individual is a Wall Street candidate. Wall Street knows that there is no surer way of killing off a candidate. Wall Street candidates are usually not revealed until after they have been elected.

LEGISLATION IN IGNORANCE.

United States Senator Charles J. Hughes of Colorado has been quoted as to accomplishment by the Congress that has just taken a recess as follows:

It is true that quite a number of important neasures were adopted whose effect nobody will be able to determine for some time, such is the railroad bill and the postal savings sank law, but they were so modified in their massage that I don't believe anybody connected with the shaping of the o the original

It is quite probable that, as is usually the case with revolutionary legislation. nobody connected with the shaping of the original drafts of the railroad bill of Northern and Western people to growth. But there is nothing in reaand the postal savings bank bill knows what is the final legislation. In such legislation it is never the intent of the real promoters to have the purpose understood by the original drafters of bills. Nor is it their desire to permit that purpose to be revealed in the manipulation of bills as they go through the houses of Congress, They are usually the only ones who have their eyes on their numbers all the time and. consequently, are able to gain their point and to be acquainted thoroughly with the contents and effects of the laws. To conceal their tracks they frequently assume to oppose the very measures that they are promoting.

A PRIZE OF \$5,000,000,000 FOR SOMEBODY.

The Washington Post, referring to the trend of immigration to the South,

If the swamp lands of the South were drained, millions of Northerners would rush

Is the Washington Post keeping track of the wonderful work now under way in the reclamation of the swamp, or overflowed lands of the South? Does it know that the largest contract ever made in this country for the reclamation of such lands has recently been given by the State of Florida to one of the strongest contracting companies of the country for the reclamation of the Everglade region, with a view to redeeming from waste for cultivation 6,000,000 acres, nearly equal to the land area of Maryland? Does the Post know that many large contractors from the West, as well as local contractors, are carrying out vast undertakings for reclamation work in Louisiana, which, in the aggregate amount of work under way, is leading the country, next to the great undertaking in Florida, and that in Arkansas, in Mississippi, in Texas and in North Carolina great reclamation enterprises are being pushed?

The fact is, one of the most remark able features of Southern material de velopment during the last decade is the work now under way in the reclamation of wet lands. These lands, as already demonstrated by the splendid work done in Louisiana, are among the richest in the world. As stated elsewhere in this issue, a report of an agricultural chemist in Ohio shows that in some of the wet lands of Louisiana now being reclaimed there is enough nitrogen in the first eight inches of soil to produce a thousand corn crops of 50 bushels per acre. In other words, the nitrogen in the soil is equal to the exhaustion produced by growing corn crops for a thousand years.

Marvelously rich as are these lands. it should be remembered that the 50,-000,000 acres or more of reclaimable wet land in different parts of the South are as yet a practically unutilized asset, worth billions of dollars to this section and to the country. Their development is already beginning to create a desire

possess them. The movement, although in its infancy, is commanding wide attention. The Washington Post is correct in its statement that the drainage of these lands will ultimately bring millions of Northerners to this section, but these Northerners and Westerners need not wait for the drainage of all the 50,-600,000 acres available. If they want to share in the profit to be made, they must share in the development neces sary. Far-seeing men, like the pioneers who got rich by the opening up of Ohio and Indiana and Illinois and Michigan, have in the South an opportunity such as the West never possessed. Southern man, too, may well begin to recognize the possibilities in his own country; not only possibilities in the things which are all around him in soil and minerals and in timbers, but in the utilization of these wet lands. While welcoming others to this work, it should not be left wholly to people of the North and West, who will get rich thereby, Thousands of Southern men should share in the vast increment which is to come from the development of these lands. It is safe to say that the 50,000,-600 acres of such lands, not worth today on an average of \$10 an acre, or less, say, than \$500,000,000, will, when reclaimed, be easily worth \$5,000,000,-000. Who will make the profit between \$500,000,000 and \$5,000,000,000? The prize is an alluring one.

THE AMERICAN PEOPLE AS A BALAAM'S ASS.

Some day the American people will perform the part that made Balaam's Nothing since the days of ass historic. that ass has been more patient under heavy odds than the American people. Their great burden is taxation, Probably no other civilized people get as little in return for their taxes. A careful student has estimated that public expenditures, including national, State, city, town and county, have increased since 1897 from \$1,000,000,000, to \$2,-500,000,000 annually, or at the rate of 150 per cent. In the same time the population of the country has increased hardly 25 per cent. Just at present, with Congressional elections ahead of us, the individuals directly responsible for about \$1,000,000,000 of these annual expenditures are pointing to this immense burden upon the people as the main reason why the people should give them further opportunity to increase the burden. To emphasize the importance of such a foolhardy policy, they are adding immediately to the burdens of the patient taxpayers by circulating under their Congressional franks tons of worthless literature, supposed to be the speeches they have delivered in Cougress, which have been printed at great expense, but which are, nevertheless, practically worthless, except as material for kindling fire.

Of course, public expenditures are bound to increase with the growth of

son justifying an increase in such expenditures at the rate of 150 per cent., with the population of the country inreasing at the rate of only 25 per cent. The unnecessary burden is due to the surplusage and incompetency of the horde of officeholders supported by the taxes of the people. There is hardly single government in the country, from Washington down, that is not conducted upon lines that would bankrupt an ordinary business undertaking in six months. The great weakness is the large number of salary-drawers selected for every other reason save qualification to render to the public proper service. Not a small part of the extraordinary increase in National expenditures, especially since 1901, is due to activities of the Federal Government, unjustified, in most cases, by the Constitution, and in some cases unwarranted by law.

The remedy will come when the patient post-type of Balaam's ass, the American people, begin to understand how heavily they are taxed unnecessarily. They will learn that if they consent to be taxed directly, every man paying for the support of government according to his ability, instead of every man seeking some device to lay the burden upon every other man or class of men. As soon as taxes are paid in actual cash from one's pocket, the people will hold their "representatives" to stricter account in the expenditure of public funds.

Quite a number of years ago Edward Atkinson, who had clear and sane views upon many vital subjects, contended that the capacity of the American people to maintain prosperity among themselves and to make large contributions to world-commerce rested upon their ability to produce cheaply, but that nothing would reduce that ability more quickly than heavy taxation. Is an annual expenditure of \$2,500,000,000 sapping the productive strength of the American people? That is a question that should be asked Congressmen seeking re-election by pointing to their share in increasing taxation as an inducement for them to be given a chance to increase taxation still further. Their salaries and perquisites continue and wax, no matter how heavily their constituents are taxed.

TEN BILLIONS NEEDED FOR RAILROAD EXPANSION.

The Illinois Manufacturers' Association, in its effort to prevent an advance in freight rates, has issued a circular headed, "An Appeal to President Taft," in which it is said:

The prosperity of the people is more de-pendent upon the spirit and the letter of the agreement being carried out than it is upon the carriers being able to borrow and

In this statement the Illinois Manufacturers' Association shows that it absolutely fails to understand the situathe country and as a means to that tion. Unless ten billions of new capital needed to be expended for the expansion of railroad facilities can be secured within ten years, the country will suffer to an extent that seems not to be comprehended by the general public, and certainly not by those responsible for the issuance of the circular of the Illinois Manufacturers' Association.

Whether the railroads are justified in

making a general advance in rates or

not, is not the question. The MANUFAC-TURERS' RECORD believes that many freight rates are entirely too high. It believes that in many cases railroads have maintained unjust and practically iniquitous rates, which, in effect, discriminate against one place or one industry in favor of some other place or some other industry. A comprehensive, scientific study of the whole railroad rate question is essential. The railroads themselves are vitally interested in this. They should be the leaders in it. In the development of the railroad business many of these unjust rates have come about through conditions over which railroads practically had no control at the start. The time has come when they should be eliminated, and when rates should be made fair and equitable, so that every community and every industry would have relatively as good rates as every other community and every other industry. Granting that this is true, it is still entirely possible that an advance in very many freight rates would be wise. This country needs very great railroad-building activity. It needs to expend within the next ten years not less than \$10,000, 000,000 in the building of new roads and the expansion of existing roads. Vast as is this sum, it must be raised and expended, or else the whole business development of the country will be halted, entailing losses upon shippers and consumers many times greater than the amount which they would have to pay under advanced freight rates. The country can well afford to pay a higher freight rate if by doing so there can be turned into railroad building the billions of capital needed. This railroad expansion is a necessity not to the railroads, but to the country. The railroads are in a position where most of them can thrive without great expansion, and they are not advocates of the building of new lines. In fact, the majority of railroad managers seem to be opposed to the construction of new roads, especially of roads that invade their territory, but the country suffers, and its broadest development is made impossible by the lack of transportation facilities. The trouble is that, angered by some of the unjust railroad freight rates, some of the discriminations which have existed between competing places and competing industries, and by the blunders of many railroad people in dealing with the public, there is a disposition to look upon railroads as enemies to be fought and antagonized at every point. On the contrary, it should be recognized that the great problem before the American public is that of transportation and distribution. Improved facilities for the handling of the raw material and the distribution of the finished product must be provided, or else congestion of freight, inability of shippers and manufacturers to secure prompt shipments of raw and finished products will entail losses running into the billions of dollars,

Instead of appealing to President Taft, the Illinois Manufacturers' Assoclation, and every similar body in the country, every merchant and manufac- the importance of goods roads not as a

bring about such conditions as will insure the investment in railroad building by home and foreign capitalists of the \$10,000,000,000 of money that ought to be expended in the next decade.

How shall so vast a sum be provided? It will tax the ability and energy of the railroad people and the financiers of this country. It cannot be furnished by the people of the United States, but must, to a very large extent, come from foreign lands where surplus capital is ecking investment wherever the most inviting opportunities are found. For some years the United States has not been the most inviting place, and European capital has poured into Canada, into Mexico and into other lands to the great enrichment of these countries at our expense

Let the railroads freely admit their blunders, freely admit the unjust and uneconomic freight rates which exist in many places, and of their own accord, and not waiting to be forced by the Interstate Commerce Commission, right these wrongs, and let the people at large unite with bankers and railroad managers in creating a spirit of co-operation with railroads which will make it possible to draw into railroad investments the billions so badly needed. Otherwise, just as sure as the sun shines. we shall have a collapse of our transportation facilities and a breakdown of business as a result within the next few years which will cost more to the whole country, to the people of all classes and all sections, from the day laborer and the farmer and the manufacturer to the "ultimate consumer," than any moderate increase in freight rates would

NO ROOM FOR PESSIMISTS.

Ninety million people in the United States are producing or consuming: most of them are doing both. They are moving to and fro upon the earth. They are traveling or working. They cannot cease their activities. They cannot become negative. They are of necessity positive in their effects upon the demandfor food, for clothes, for manufactured products. Even if at the moment they are buying a little less per capita than in boom times, they are offsetting this to a large extent by an increase in numbers. Politicians come and go; financial scares come with their accustomed regularity, but the country moves along, increasing its population, raising more agricultural products, turning out more manufactured goods and doing more work. Railroads are wearing out with every wheel that turns, and must continue steady replacement. New railroads must be built to open up new territory awaiting development, and new facilities must be provided by existing railroads. Political uncertainty and harassing legislation may affect the ability of railroads to secure money, and these things do very greatly lessen the amount of capital that under more favorable conditions would turn into railroad building, but despite these adverse factors, railroad expansion must continue, or railroads will be bankrupt physically, and that is as bad as being bankrupt financially. Houses are wearing out and new houses must be built. The increase of population means a constant expansion in building operations. The growth of cities compels the building of water-works and sewerage sys tems, the extension of new streets and the better paving of existing streets. The awakened sense of the country to

vielding a larger profit than any other or the dairyman in Louisiana is doing investment which the country can make. means vast expansion all over the United States in road-building operations. The improvement of the internal combustion engine, as typified in the automobile, means the utilization of these engines in every department of farm work and in thousands of places where heretofore manual labor has been essential. Though at the moment there may be some dullness here and there, or rather some failure of activity to be as great as had been anticipated, there is business everywhere, and business for everybody who goes out after it intelligently and unceasingly. This is no land for the pessimist. The greatest optimist of America is in reality a pessimist when measured by what careful students of the country and its business opportunities know to be facts as to the vastness of its potentialities.

WHERE NUMBERS COUNT.

A practical point in immigration not often thought of was emphasized by Dr. Paul H. Saunders of Laurel in his address before the meeting last month at Jackson for a State-wide immigration movement in Mississippi. One of superficial arguments not infrequently advanced in opposition to plans to attract new homemakers as settlers is the claim that the new-comers will compete with the natives. Dr. Saunders, who, by the way, was elected president of the organization to carry out the Jackson movement, took the ground that farming is the only occupation that always thrives on competition, and said:

One man, who alone in his community raises peaches or other fruit, or berries of any kind, cannot make a market, but let many engage in this, though each one raises but a small quantity, and the markets of the world will be brought by the buyers to their doors. This was well illustrated by a thrifty and ambitious farmers in my, who determined to raise truck. raised the truck successfully, but not in suf-ficient quantities to justify the buyers in coming to their doors, or in their going with ng to their doors, or in their wares to market, and th therefore, resulted in failure. Others may say that to increase largely and rapidly Others may of our farmers would cause an ion of cotton. The natural in and training of the newcomers overproduction of cotto clination and training would be toward something else, and their xample and methods would be followed. Moreover, I do not believe that we can be for any permanent per capita reduction acreage of cotton, and that is the only reduction we desire until our rural popula tion is sufficiently dense to enable the farmers to raise other things and make a market for this, not only among themselves and the ever-growing nearby town, but also for for-eign shipment. This idea is illustrated by rsation with an aged farm bought two turkeys at \$1.50 apiec I asked him why they did not raise more and ake them cheaper, as they formerly were, ad he said: "We do raise more, but there he said: "We do raise more, but there more people in South Mississippi to eat key. I years ago, before the railroads were and he said: built, drove turkeys on foot to Shubuta, 40 , and sold them for 50 cents aplece was une helped Was he hurt or helped by competi brought in by new people and railroads?

The illustration of the old man and his turkeys is a happy one, and epitomizes much of the argument for immigration to a State. As with turkeys, so it is with fruit, livestock, vegetables and other products of the farm. One producer is obliged to carry his goods to market; the market is practically brought to the doors of 50 or 100 producers of like goods. It is more advantageous in every particular to have a carload or a trainload of cattle to ship from one point to market than to handle one steer or half a dozen cattle. The individual truck-grower in the Norfolk section, the strawberry-grower in Eastturer and every farmer, should seek to luxury, but as a necessity, an investment ern Carolina, the onion-grower in Texas

far better now, with many others around him occupied in identically the same line, than he could by any possibility have done in the days before such groupings justified or required the modern facilities for quick transportation of farm products to the central markets of the country.

Then, too, the incoming of men unaccustomed to cotton raising is bound to induce a revolution in agriculture. as shown by the experience of the Westerners in rice culture in Louisiana, and at the same time to induce greater diversification in farming. That will solve to some extent the problem of the price of cotton. A farmer whose cotton is his surplus crop is in a position independent of bear movements against cotton, whether centered in New York, inspired by an international organization of buyers or under the auspices of the Federal Government. All these desirable results call for a greater number of workers in agricultural lines, and that number may be secured only through properly-directed immigration.

SOUTHERN HIGHWAY WORK.

Midsummer shows little, if any, relaxation in the movement in the South for the improvement of highways in country, town and city. The weekly statement of bonds voted, or to be voted, contracts awarded, or to be awarded, published in the Manufacturers' Rec-ORD contains many items telling of the activity in this form of municipal, county and State improvement, and, although local newspapers may not be giving as much space to the subject as in the earlier part of the year, there is no evidence that there is any falling off in interest anywhere.

Four or five announcements of the past week are typical of the general spirit in the South. The Commissioners' Court of Grayson county, Tex., has called for proposals for the construction of 65 miles of macadam road in Road District No. 1 of the county. The plans, specifications and profiles are on file in the office of J. C. Field, engineer in charge, at Denison, and the bids are to be opened on August 10. Commissioners of Orange county, Fla., at Orlando, have called an election for September 14 to decide as to the issue of bonds to the amount of \$1,000,000 for the construction of brick highways. The Board of Supervisors of Harrison county, Miss., V. A. Griffith, Gulfport, chairman, has agreed to the \$50,000 bond issue for road improvement in District No. 2 of the county, and it is expected that work will begin early in the fall. The City Council of Birmingham, Ala., is now dealing with the ordinances which approve of plans for \$850,000 of street paving, involving the use of bitulithic. asphalt, bituminous binder, macadam, granitoid, brick and Kentucky rock asphalt, while the Board of Public Works of Louisville, Ky., will open on July 20 proposals for \$117,960 of street improvement, including 5925 square vards of vitrified block and 35,599 square yards

Good-roads conventions, rallies and permanent organizations are nece preliminaries to the work of giving the South an adequate system of highways one of the most effective agencies for the upbuilding of that section. There have been many of them in the past year, none of them without a definite practical purpose. The actual work now under way in all sections of the South demonstrates that the gatherings have not been in vain.

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ONE HUNDRED YEARS OF PEACE there be found such a logical situation BETWEEN GREAT BRITAIN AND THE UNITED STATES.

Some years ago the Manufacturers' RECORD urged the desirability of the construction of a great boulevard between Baltimore and Washington. Of necessity the capital of the nation is destined to be one of the greatest and most beautiful cities in the world. By reason of its proximity Baltimore should reap great advantages from the growth of Washington. In wealth and population Washington must inevitably increase proportionately far more rapidly than the whole country. With the vast expenditures that are being made, and that must be made by the National Government, with the disposition of the Congress to be almost lavish in expenditures for the development and beautifying of the city, with Washington becoming the social center of the country and the home of many wealthy people retired from business activities, it will more and more become a great center for tourists from all over the world. Baltimore should reap the advantages which are within its power by reason of its nearness to Washington. To make this possible there should be a great boulevard constructed along the most modern lines connecting Baltimore and Washington, not simply a good road such as is now under construction, but a boulevard worthy of the name. This boulevard would, if properly built, be a great highway of a character such as does not now exist in the country between two cities forty miles distant. Its value to the State of Maryland and the city of Baltimore could hardly be overestimated. Its construction would attract worldwide attention, and do much to stimulate the business pride of the State and to awaken the whole State to a broader work of development. Its very uniqueness would be of untold value, even if its cost would not be more than repaid to the State by the enhancement of the value of land tributary to it.

Such are the suggestions made 15 or 16 years ago by the Manufacturers' RECORD and urged upon the people of Baltimore. But this city was not at that time ready for so broad an undertaking. The suggestion was in advance of the times. A still broader suggestion is now made, however, by Mr. B. N. Baker of this city, who has advocated the construction of such a boulevard as a memorial of the centennial of the signing of the Treaty of Peace between Great Britain and the United States. Mr. Baker's idea is that the hundred years of peace which bave existed between the English-speaking people of the world is worthy of a commemoration of such a character as to command world-wide attention and to be an everlasting monument to the peace of the last one hundred years, and a living suggestion of the supreme importance of continued peace between the Englishspeaking people. With this thought in mind he has suggested the building of a boulevard between Baltimore and Washington at a cost of from \$10,000,-000 to \$20,000,000, making of it a great triumphal way, such as exists nowhere else on earth. He would have it, if need be, 1000 feet wide, spanned by magnificent arches, ornamented by splendid structures erected by the National Government, by individual States, by England and by any other nations of the earth that desired to join in such a life and become, in fact, very valuable assets work. Nowhere else in America can of the community. Our records are open to

for a memorial worthy of this hundred years of peace as between Baltimore and Washington. A defeat of the English troops at Baltimore helped to make possible the peace between England and the United States. That battle gave to our country "The Star-Spangled Banner." The men of this State wrought mightily in all the struggle which made possible the peace that it is proposed to celebrate by some great event worthy of the English-speaking nations. In what way could this be better celebrated than by the construction of this magnificent boulevard, spanned at many points by great arches celebrating the triumph of peace, magnificently illuminated, joining the capital of the nation with the first great city to the North of it? The plan is broad and comprehensive, even if the boulevard should be much less than 1000 feet wide. The suggestion is almost daring in the magnificence of its con-It mightily appeals to the ception. imagination. It would be worthy of the two greatest nations of earth celebrating the centennial of their pledge of peace.

Some years ago, under the leadership of a brilliant and energetic woman, there was erected in the mountain pass of the Andes, on the border line between Argentine and Chili, a heroic figure, entitled "The Christ of the Andes," for the purpose of commemorating peace between these two countries. On the base of this monument there are inscribed the words:

Sooner shall these mountains crumble into dust than Chile and Argentine break the peace which at the feet of Christ the Re-deemer they have sworn to maintain.

American countries in the building of this monument, which has been heralded throughout every part of the civilized world, is an example which may well be followed by Great Britain and the United States, for it is within the power of these two countries not only to maintain the peace between the English-speaking people of the world, which has existed for 100 years, but to maintain the peace of the world. In no other way could there be found, it is believed, a more splendid way to commemorate this peace and the pledge to the future than in the construction of a boulevard the like of which exists nowhere else on earth.

ON MISUSING THE SOUTH.

Dr. Charles F. McKenna of New York. writing to the Manufacturers' Record,

I write to voice my dissent from the views you express in your editorial of this week regarding the placing of foundlings from New York in homes in Texas and Louisiana. Particularly do I feel that you will be misled if you place reliance upon the words of the insane-asylum superintendent whom you quote. I defy that gentleman to make good his statements about the "planting of seed of greater degeneration," etc.

I have been secretary for 11 years of the Catholic Home Bureau of this city, engaged in placing dependent children in family homes. In that time we placed something like 2500 children, none south of Mason and Dixon's line, and a large number of them foundlings. I can truthfully assert that no observer, a physician or insane-asylum sup ntendent or anybody else can distinguish etween foundlings and those who were not foundlings, or can find any special taint in the foundlings to any greater degree than in

wish that those who write c tically upon this subject could know what we know of the way in which children thus transplanted assume normal conditions of pleasure to have our annual reports forwarded to you if you will express the wish

I have resigned lately from the secretary, ship I speak of by reason of the press of my private business and the growth of the charity, of which I am very proud as a private citizen and child lover. But I appeal to you to correct the public impression regarding the fate of foundlings. It is a gross misapprehension, and if kept up will only cause the unwisdom of the past in every respect to be continued, leading to the destruction be continued, leading to the destructory lovable souls and useful citizens,

The above is not written necessarily for publication, but only that I might interest you in my point of view, for I want to cor-rect the evil done by the insane-asylum su-perintendent and to uphold the thesis that foundlings placed with good citizens make

In the editorial to which Dr. Me-Kenna refers we did not undertake to enter into a discussion of foundlings generally, their causes and their prevention. Nor did we expect individuals or organizations in New York city interested in placing New York foundlings in other States to agree with our opposition to such a practice. The protest we made was against the ever-increasing tendency of divers "philanthropies" of New York city to use the South in the solution of their local problems, whether congestion of foundling asylums or congestion of undesirable aliens on the East Side. We contended that it is the duty of each State to solve its own social problems in its own way, and that it had no right to seek relief from its own burdens at the expense of other States. We insist that there are too many bureaus, committees and other agencies in New York looking to the South as a relief from their burdens or for other purposes, and, as they emerge. we shall continue to advise the South The example set by these two South against giving any of them countenance of any sort.

CENSUS PREMATURITY.

Until the official figures of the census of 1910 are published, it will be well for Southern communities not to Increase the heat of summer by getting excited over estimates of population which may be published from time to time. About a month ago, long before results of the official count could by any possibility be accessible, certain "unofficial" figures of the population of leading cities were published from Washington. These figures were derived from mere estimates, confessedly provisional, of a census bulletin dealing with mortality statistics. As was pointed out by the Manufacturers' Record two or three weeks ago, the method of estimating these populations as of 1910 is hardly a scientific one, and it is likely that any satisfaction or dissatisfaction with the figures thus presented will be found to be for naught when the official count is made public,

Already there is beginning to develop in some quarters a feeling that the count is not giving facts as to population that were expected. It is believed that every effort has been made to number every person in the country. If ambitious cities discover that they have not within their limits the populations that they imagine they possess, they may hardly blame the census with the intent to misrepresent. Many persons forget that the last decade has been marked by a tremendous suburban development in many parts of the country consequent upon the burden of municipal taxes being unnecessarily increased, upon extension of rapid-transit trolley lines into the country and upon a vast increase in the use of automobiles bringing the country home and the city office within

you in particular, and it would give me quick communication. There has been a large migration from the built-up se tions into the purer air of the suburb and country. Where that migration has not been accompanied by an infusion of new population into the cities, the census is bound to show a lessening in the rate of increase in the cities, if not an actual halting. On the other hand, some cities have increased their populations at a rate far beyond the normal by annexing outlying communities. In that event the claim of large increase, as compared with the increase of cities where no annexation has taken place, will be largely an empty one as far as demonstrating anything save the fact of annevation

> There is a suspicion that the census of 1900 showed a larger number of negrees in the country than the facts justified, because of a duplication in the count of many negroes. The census was taken at a time when many negroes were away from home in employment at mountain and seaside resorts, giving a chance for duplication in the count, in spite of utmost care to the contrary. Whether the chance for such duplication has been lessened in the thirteenth census remains to be seen.

Of course, these suggestions will not prevent estimates of the census being made upon inadequate material, but they are offered in the hope that cities and States and sections may not concern themselves unduly over the matter, and may save themselves from possible chagrin when the official figures reveal the prematurity of the estimates.

GAINING CONTROL OF AMERI-CAN EDUCATION.

Referring to an address at the educational convention in Boston in which some plain facts about the Carnegie Foundation for the Advancement of Teaching, known popularly as the Carnegie Pension Fund for Professors were uttered, the Baltimore American says.:

The Carnegie Foundation, established by the rich and liberal Scotch ironmaster, who is anxious to die poor, has been under fire more than once, and some hot shot was poured into it at the National Education, Association Convention in Boston. The re-cent report of Abraham Flexner on the conditions of medical education in this country aroused widespread criticism, and many we convinced that there were in the report statements wholly unjustified and without foundation in fact. The scathing attack on all Baltimore's medical schools, with the sin-gle exception of the Johns Hopkins, was unwarranted, and called forth Indignant protests from men well qualified to speak. The report did more harm than good to the Canegle Foundation, as it forced the conviction that the officers of that establishment had placed themselves in the position of die tators of educational curricula served notice on American schools sort that any of them which expected to reap benefit from the Carnegie millions must obey

benefit from the Carnegle millions must obey orders or there w. Id be nothing doing.

At the Boston convention Mr. Wesley N. Clifford, head of the commerce department of the Southerr High School of Philadelphia, declared: "We are up against one of the biggest monopolles in education that ever existed, and it's the Carnegle Foundation. Just the other day our school officials had a conference with the presidents of the Linkconference with the presidents of the Unirsity of Pennsylvania, Swathmore, Lehigh d the Pennsylvania State College, and asked them whether they would admit our boys. They asked us if we taught foreign languages, and when we told them of the units we had to offer they threw up their hands and said that they could not admit our boys because some of their professors were members of the Carnegie Four That is what we are up against-

Others spoke in the same strain, and the speeches proved that the opinion is growing stronger that the foundation is serving no useful purpose. President Pritchett, who is useful purpose. President Pritchett, was useful purpose. President Pritchett, at the head of it, is an educator of long experience, but the fear is expressed that he perience, but the fear is expressed that he has gotten an extravagant notion of the im-

portance of the foundation and of his own position. Carnegie gave the money to advance the cause of education. The money is not being used for that purpose, say men who have a right to speak on the subject. It would be a wise move for the giver of the millions to look into the matter and see just what is being done and just what should be

The monopolistic possibilities of the Carnegie Foundation have been recognized by careful students from the day of its inauguration, and they have warned the American people against upholding educational institutions that have scrambled for the proffered pensions. It would be well if other representative daily newspapers should repeat the suggestions of the American, and maintain a vigorous fight against the Carnegie Foundation and all similar influences. It is pertinent to suggest that Abraham Flexner's survey of the medical schools in Baltimore city, to the disparagement of all save that of the Johns Hopkins, did less harm to the Carnegie Foundation than to the movement to raise for the Johns Hopkins endowment a "supplementary fund" of \$750,000 to secure \$250,000 from the other and cooperating monopoly in the making—the Rockefeller General Education Board. Flexner's zeal as a graduate of the Johns Hopkins University went beyond his discretion, and it is no wonder that the New York attorney, suddenly active and enthusiastic in behalf of the "supplementary fund," was obliged to talk again of its bright prospects.

A CONSERVATION HINT. How long will it be before the great waste of power consequent upon normal transportation methods and many industrial processes will be eliminated? When one reads of the wastes of fuel, how often does one think of the possible lack of economy in using fuel to haul other fuel hundreds and thousands of miles to the points where it is to be used in generating power, or the loss in a locomotive's being obliged to consume coal in carrying coal to be used under its boiler? Improvements in locomotive construction and in stoking, and an increase in the number of coaling stations along the lines of railroads are tending to reduce this form of waste. The assembling of coal at central points for the generation of electric power is a great advance toward real conservation of resources, the economic use of natural wealth. Does it not point to the use at the place of production of coal, of oil or of natural gas in the development of electric energy to be distributed broadcast in the operation of railroad trains, mills and factories of many Fifty years ago, in the older sections of the country, the presence of a water-power of any size was likely to give birth to a single industry or a community of factories dependent upon the direct force of the water. Hydroelectrics is bringing about a change in this particular. The water-power is converted into electric power for use at the point of conversion, or for distribution to other points, and many waterpowers too inaccessible to warrant the erection of a mill near them are being developed for electric transmission to convenient locations. Little has been done, though, in making the mouth of the coal mine or of the gas or oil well a great power-house. But while it is probable that much coal will continue to be hauled on railroad cars as long as the coal supply lasts, and much oil and gas will be transported by pipe lines, it gas will be transported by pipe lines, it is believed that some day this question of motive power will be simplified, scription to the Manufacturers' Record.

through electricity converted from the power of water, coal, oil and gas, to the saving annually of millions of dollars.

NEW BANKS IN THE SOUTH.

During the first half of this year there were reported in the columns of the Manufacturers' Record 445 new banks and trust companies formed in the South. Including Missouri and Oklahoma, the total was 520 of such institutions from the first of the year to July 1. This is a graphic illustration of the rapidity with which banking accommodations are being extended to all parts of the South.

The greatest number of these new financial concerns reported in any one State during these six months was 117. in Texas, and the least was 10, in West Virginia. Several States reported 14 Alabama, Florida, Loueach, thus: isiana and Mississippi. Maryland reported 15: Missouri 16: Arkansas and Virginia, 29 each: Kentucky and North Carolina, 30 each: South Carolina 40: Tennessee 41, and Georgia 46. Oklahoma's total was large-59.

In this compilation are included both State and National banks and trust ompanies, besides private banks and a few savings institutions, the object being to report all concerns affording banking accommodations to the public. In several instances the new concerns represent the conversion of an existing institution or a consolidation, but these are comparatively few.

It is gratifying to observe in connection with this exhibit that the disposition of the people generally throughout the South is to avail thens the advantages presented by banks, and by so doing they not only secure the safety of their funds against thieves, but they increase the usefulness of money by placing it in channels where it can be of advantage to general business and industry. While it is incidental and common, the fact should be noted that the depositors in many of these institutions gain some return in the shape of interest on their balances, in addition to the security obtained.

A review of the "new corporations" columns of the Manufacturers' Record during the last five years will acquaint the reader with the growth of banking in the South in a most comprehensive manner, but its advancement has been more rapid of late. In Texas and Oklahoma particularly many new banks have been formed, and at present there seems to be no disposition toward a halt in this extension of banking facilities throughout the Southern States. is probable that the last six months of 1910 will see fully as many, if not more, new organizations as there were reported during the first half of the year.

Mr. John W. Sibley, president of the Sibley-Menge Press Brick Co. of Birmingham, Ala., writes to the MANUFAC-TURERS' RECORD as follows:

As a result of our advertisement in the MANUFACTURERS' RECORD We have been asked to bid on the press brick for a 41-story building at Seattle, Wash., and while, of course, the freight rate will be prohibitory from our ctory, this inquiry proves that the circula-on of the MANUFACTURERS' RECORD is very extensive and as an advertising medium it cannot be surpassed.

Col. Alfred B. Shepperson of New York, of world-standing as a cotton statistician, writes to the MANUFACTUR-ERS' RECORD:

I would be glad if you would tell you

Please regard me as a life subscriber, for I from \$146,280,220 to \$109,836,528, or sure in reading as long as I of the progress of the So will take pleas land, which I love so well, which are given nowhere else as fully as in your valuable

TEXAS.

Commissioner of Agriculture Ed. R. Kone has done a good work for the advancement of his State in the publication of the 1909 Year Book. Within the 700 pages of the volume is a mass of information of value to the homeseeker and investor and reflecting the great progress and wonderful opportunities of Texas. The general statistical tables deal largely with population, assessed values and land and live-stock values by counties, though detailed figures as to other points appear in the sketches of separate counties, filling 250 pages. It is the aim of Commi Kone to present in the bulletins of his department a series of special articles dealing with all phases of material development. Already corn culture, the dairy industry, eitrus fruits, pomological possibilities, pecans and other edible nuts have thus been discussed, and bulletins are now being prepared on mineral resources, hogs, poultry, fruit, truck growing, alfalfa and other forage crops, while material is on hand for a consideration of the influence of railroad construction upon the growth of the State. These facts, together with the desire to treat a few themes completely, rather than a great many superficially, account for the absence of certain subjects from the year book. But it contains special articles on the area, location and climate of Texas, history and status of cotton production and cotton manufacturing, with a section on cottonseed, the cattle industry, angora goats and mohair industry, the State Department of Agriculture, ports and the extension of foreign trade, the Houston ship channel, navigation on inland waterways, irrigation. sugar industry, drainage, lumber, the bureau of labor statistics, soil survey work, improved farming, oil, fish and oysters. banks and the undeveloped resources of

THE COTTON MOVEMENT.

According to the report of Col. Henry G. Hester, secretary of the New Orleans Cotton Exchange, the amount of cotton brought into sight during the first 10 months of the season was 10,118,048 bales. a decrease under the same period last year of 3,234,765 bales. The exports, less 52,-292 bales returned from abroad, were 5.824.564 bales, a decrease of 2.343.907 bales. The takings were, by Northern spinners, 1,974,541 bales, a decrease of 654,038 bales; by Southern spinners 2.167,630 bales, a decrease of 119,655 bales. In the 311 days of the season up to July 8 the amount brought into sight was 10,142,643 bales, a decrease of 3,241,-884 bales. The exports, less 52,292 bales returned from abroad, were 5.854.716 bales. a decrease of 2.365,764 bales. The takings were, by Northern spinners, 2,000,099 bales, a decrease of 654,185 bales; by Southern spinners 2,192,032 bales, a deerense of 131.314 bales.

COTTON IN COMMERCE.

Cotton continues to save the day in leading articles of export aggregating in value \$787,764,637 in the past fiscal year, cotton is the only one showing an increase. The aggregate decrease from 1909 was from \$833,871,028 to \$787,764,637, \$46,106,391. Corn decreased from \$24,-743,205 to \$23,339,451, or \$1,403,754; wheat from \$66,668,646 to \$45,417,995, or \$21,250,651; wheat flour from \$50,884,-600 to \$47,375,969, or \$3,508,631; other foodstuffs from \$8,255,765 to \$5,518,228, or \$2,737,537; meat and dairy products tributed to this publication.

\$36,443,692; cattle, hogs and sheep from \$17,936,055 to \$11,880,343, or \$6,055,712; mineral oil from \$101,977,719 to \$94,616,-328, or \$7,361,391-a total decrease of \$78,761,368. This decrease was reduced by the gain in cotton from \$417,124,818 to \$449,779,795, or \$32,654,977.

A \$300,000 Packing Plant.

weeks ago the MANUFACTURERS' RECORD reported that the United States Packing Co., 22 Fifth avenue, Chicago, was planning the construction of a plant at Wichita Falls, Tex. Arrangements are now being completed, and the company sends the following description of the enterprise:

"D. I. Davis & Co., 315 Dearborn street, Chicago, are our architects, and they expect to have detailed plans and specifications out so as to be in shape to take bids about August 15,

"The plant will be built very largely of reinforced concrete. The estimate on the cost is between \$300,000 and \$350,000. We hope to have the plant built and in operation March 1, 1911. The pork and ef cooler will be 80x128 feet, six stories high. The manufacturing building adjoining will be 64x96 feet, six stories high. Adjoining these will be smokers. There will be three railroad tracks paralleling these three buildings, and on the other side of these three buildings will be located the ice tank, 40x80 feet; ice storage, 32x48 feet; engine-room, 50x50 feet, and boilerroom, 50x50 feet. The boiler-room will be connected with the track by a pipe tunnel. Across the alley will be the abattoir, 80x80 feet, six stories high. Adjoining will be alleys for driving up stock from the yards. Adjoining this will be a nonedible tank, 32x64 feet; edible tankhouse, 64x80 feet. Directly in the rear of these two buildings will be the fertilizer and bones building, 64x112 feet. Directly in the rear of these buildings and the boilerhouse will be another side-track, and on the opposite side the stockvards. The office building will be 32x48 feet, located near the docks for loading and unloading wagons adjoining the manufacturing building."

The Baldwin Shovel Plant.

Some weeks ago the MANUFACTURERS' RECORD referred to the Baldwin Forging & Tool Co. of Columbus, O., as contemplating the establishment of a plant in West Virginia. This company has chose Parkersburg, W. Va., as the location, and decided to provide for a daily output of 500 dozen shovels. It will remove its Columbus machinery to Parkersburg and add probably \$50,000 worth of equipment. Its new buildings will be of brick mill construction, with composition roofs, as follows: Main structure, 60x860 feet; machine shop, 50x100 feet; pickling-hous 50x50 feet; steel shed, 50x100 feet; handle warehouse, 50x200 feet, and another warehouse 50x200 feet. Frank M. Baldwin is president and treasurer of the Baldwin Forging & Tool Co., which now manufactures shovels, spades, scoops and drain tools. While no authoritative statement has been made, it is understood the Parkersburg plant will cost about \$200,000.

Prof. John Jermain Porter, metallur-American foreign commerce. Of certain gical engineer, University of Cincinnati, Cincinnati, is now making a specialty of consultation and investigation work in regard to cast iron from the ore to the finished product, and also blast furnace and foundry operations. Professor Porter is also open for investigations on efficiency of raw materials, plant and operation. Readers of the MANUFACTURERS' RECORD have had occasion from time to time to be familiar with Professor Porter's work through special articles which he has conFACTU very r with creasi other broad In consid condit

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Great Improvement in Cement Situation.

[Written for the Manufacturers' Record.]

FACTURERS' RECORD two weeks ago of a age of cement. very marked change in the cement market. with advancing prices and a rapidly-increasing demand, has been followed by another advance in price and a still greater broadening of the market.

In times past the iron trade has been considered the barometer of the business condition of the country, but probably not even iron is more indicative of expanding trade than cement, for in construction work of all kinds, in large building operations, cement is rapidly supplementing and in many cases supplanting iron and steel and lumber to the very great advantage of the country, for without the wonderful development of the cement industry in the last few years we should have had not only a timber famine, but an iron famine.

In the rapidity of its development the cement industry has surpassed any other important industry known in the world's history. It is, therefore, of vital moment to all business interests to know that there is a very marked change taking place in the cement situation. For a year or more there was great depression in this industry; prices were at or below the cost of production, and even at low prices trade seemed almost stagnant, although the consumption of cement in the aggregate was very large. With the marked revival in the last month or two there has come a broadening of the market and an advance in prices and prospects of still greater activity, all of which would seem to indicate that we are entering upon a period of increasing activity in construction work of all kinds.

Telegrams to the MANUFACTURERS' RECORD from many of the leading cement concerns of the country are exceedingly optimistic as to the present situation in the cement industry and the outlook. A Charleston (S. C.) company wires, "Present conditions would warrant us in the belief that the operations of the next 12 months will prove to be the banner year in the building business in the South," while telegrams from New York, St. Louis and other points all tell of marked improveand a widening consumption of cement. The telegrams follow.

Expect Banner Year in Building. [Special Dispatch to Manufacturers' Record.]

Charleston, S. C., July 12. There is a very marked improvement in the cement business. For two years manufacturers had been selling at the cost of production, but the improved condition of the country at large warrants manufacturers putting in an advance price on account of the large demand. The present outlook shows that there will be a large volume of cement used during the next three or four months to meet active building operations. The price has advanced 30 cents per barrel in this district, and we look to see additional advances put in at any time. Our business showed a gradual improvement during 1909 and a marked improvement in 1910. Present conditions would warrant us in the belief that the operation of the next 12 months will prove to be the banner year in the building business in the South.

SOUTHEASTERN LIME & CEMENT CO.

Possible Shortage in Supply. [Special Dispatch to Manufacturers' Record.] New York, July 12.

We beg to confirm the general report that there is a marked improvement in the rement business. Prices in the East have been advanced 10 cents per barrel, and the demand is excellent. In the West there is a strong demand, with some of the mills sold up. We look for increased demand as not only the Government and railroads

The announcement made in the MANU- the season advances, with a possible short-

EDISON PORTLAND CEMENT CO.

Marked Improvement.

[Special Dispatch to Manufacturers' Reco St. Louis, Mo., July 12.

There has been a marked improvement in the volume of sales and an increase in price of cement this year over last. From the best information we can gather we believe the demand will continue at least for balance of the year.

CONTINENTAL PORTLAND CEMENT CO.

Prospects Flattering.

[To Manufacturers' Record. Baltimore, Md., July 12.

Prospects in the territory tributary to our plant, viz., Baltimore, Washington, Cumberland Valley region (including Harrisburg, York and other Pennsylvania points), Hagerstown, Cumberland and the West Virginia coal fields, are quite flattering. The increased demand has already caused a substantial advance in the price of Portland cement, which will certainly hold for the balance of the year. Our increased capacity comes at a most opportune time.

SECURITY CEMENT & LIME CO.

Heavy Increase in Consumption. [Special Dispatch to Manufacturers' Record.]

Chicago, Ill., July 12.

So far as we are able to ascertain, the cement industry is in very good condition. In our estimation shipments throughout the country for the first half of this year are at least 30 per cent, greater than in the first half of last year. Consumption in large enterprises is comparatively small, but this is more than offset by heavy increase in small uses. Prices have been advancing steadily since the first of the year, and our opinion is that stocks on hand are much smaller in comparison with present rate of shipments than they were a year ago. Probably shortage in spring wheat crop in Northwest has curtailed business there, but not to any large extent.

UNIVERSAL PORTLAND CEMENT CO.

New Uses Among Farmers.

[Special Dispatch to Manufacturers' Reco Philadelphia, Pa., July 12.

A marked improvement in the cement industry is noticeable in the West, and this condition is usually a precursor of a like improvement in the Middle West and later in the East. Already a tendency toward higher prices is showing itself in the East, and, in the face of an extremely wet June, which curtailed building operations, the market for cement here is improving. New uses among the farmers and in the field of factory and mill construction have largely extended to increase the consumption of Portland cement. In many places it is being used where lumber was formerly the material of construction.

AMERICAN CEMENT CO.

Increased Consumption and Prosper-ity Due to Publicity Education Campaign.

[Special Dispatch to Manufacturers' Record.] Ironton, O., July 12.

There has been quite a marked increase in the demand for cement within the last three months, and we look for this demand to continue throughout the balance of this season. We also hope it will extend in the next season, and see no good reason why it should not. We believe the present demand is due largely to the educational campaign which has been waged by all manufacturers, regardless of size, during the past three years and continuing through the panic, which we all felt the effects of in 1908 and 1909. We also believe it is largely due to the fact that

viduals are putting cement to new uses every day, thus enlarging the field as well as the demand: but we believe the mills now in operation can take care of any demand for cement which may present itself within the next several years, and the mills already in operation have established a reputation and are quite able to add sufficient capacity to take care of any increased demand which may occur.

IRONTON PORTLAND CEMENT CO.

Large Fall Demand Indicated.

[Special Dispatch to Manufacturers' Record.]

Chicago, Ill., July 12.

The demand for Portland cement is nor mal for July in Illinois, Wisconsin, Minnesota and Iowa, where July is usually a light month in this trade. Up to now the production of mills in this territory, as well as an abnormally large amount of Eastern cements, has been absorbed. Prices, therefore, advanced until July 1. Reports from this territory indicate a very large fall demand. Prices are firm and are expected to remain so during the remainder of the year.

CHICAGO PORTLAND CEMENT CO.

Improvement in Prices.

[Special Dispatch to Manufacturers' Record.] Cincinnati, O., July 12.

We find the demands upon us for ce ment about all we can care for at this time. We do not believe there is an expanded call for Portland cement which would warrant the assumption that the business is in much better shape than it has been for two years past, although there is some improvement in prices. We attribute most of the increased demand upon our mill to the fact that three of the five mills in our Southern Ohio territory are closed down, for the reason that their losses have been so great the past two years that they will not undertake to operate again until the industry itself and general conditions of the country are more SUPERIOR CEMENT CO.

Conditions Greatly Improved.

[Special Dispatch to Manufacturers' Record.] Sandusky, O., July 12.

Portland-cement market conditions are greatly improved since early spring. The demand in central section of country is very heavy, and a great shortage of cement would exist except for large shipments from Lehigh Valley region. Prices in central section are now fair, though lower than west of Chicago, owing to low prices still accepted by Lehigh Valley shippers. Present quotation in Ohio and Indiana about \$1.10 in bulk at mills, and in Illinois and Iowa \$1.20.

SANDUSKY PORTLAND CEMENT CO.

Consumption Promises to Exceed 70,000,000 Barrels.

[Special Dispatch to Manufacturers' Record.] New York, N. Y., July 12.

Cement market has been steadily improving, with advancing prices throughout the entire country. Every indication of a shortage by end of August. This year's consumption will undoubtedly exceed 70,000,000 barrels. Believe the industry to be in a healthy condition.

PENNSYLVANIA CEMENT Co.

Enormous Demand During Past Consumption 1910 Estimated 75,-Ninety Days.

[Special Dispatch to Manufacturers' Record.] Birmingham, Ala., July 12.

The demand for Portland cement throughout the country has been enormous for the past 90 days, and material advances have been made all along the line, principally in the South and West. Still further advances are anticipated in the near future. The next five months promise to be a record-breaker in the consumption of Portland cement. Few orders are being taken for long-time delivery at present advanced prices. A large

have large projects under way, but indi- amount of important work is in sight for the fall months throughout the South, and, in fact, throughout the country, in which large quantities of Portland cement will be needed. We are very optimistic of improved conditions as a whole, and prospects for renewed activity, we feel, are here at hand.

STANDARD PORTLAND CEMENT CO.

Cowham's Mills Report Activity from Michigan to Texas.

[Special Dispatch to Manufacturers' Record.] Jackson, Mich., July 12.

The demand for cement increased rapidly during the month of June: prices advanced correspondingly. Country trade quiet now on account of harvest but there is a large amount of building in sight in all the territory in which we operate from Michigan and Ohio to Texas, with prospects that it will tax all the mills in that territory to supply the demand for cement during the balance of the season.

W. F. COWHAM.

Demand Exceeding Supply,

[Special Dispatch to Manufacturers' Record.] New Castle, Pa., July 12.

There has been a heavy demand for cement during the past 90 days throughout Western Pennsylvania, Ohio and In-All mills in this territory are badly behind on shipments. Many mills are sold up. Prices have advanced more than 30 cents per barrel since April 1. Market is steady, and there are many inquiries going. Judging from the conditions as we see them here, there will be a large shortage of cement this season, due undoubtedly to increased demand.

NEW CASTLE PORTLAND CEMENT CO.

Chance to Operate Plants at Full Capacity.

[Special Dispatch to Manufacturers' Record.] Nazareth, Pa., July 12.

There seems to be an increased demand for cement not only in this immediate neighborhood, but also in all other sections, which will assure manufacturers an opportunity of operating their plants at their normal capacity. The slight increase in price, however, will hardly outbalance great losses a large number of the manufacturers have experienced during the last couple of years. It is gratifying to know that the public is becoming educated in the uses of cement, but we believe that the present capacity of the plants now in operation, together with that of plants nearing completion or in course of construction, is well calculated to take care of any increased demand.

DEXTER PORTLAND CEMENT CO.

Situation Stendily Improving.

[Special Dispatch to Manufacturers' Record.] Louisville, Ky., July 12.

We would say that the cement situation has improved steadily since April. The demand in the territory west of the Mississippi River is especially heavy. In the Middle West and South it is very good, and in the East fair. The recent heavy rains in the South have caused temporary dullness, but we expect this year in this territory a demand fully equal to that of 1906 or 1907.

KANSAS PORTLAND CEMENT CO.

000,000 Barrels.

[Special Dispatch to Manufacturers' Record.] Kansas City, Mo., July 12.

Marked improvement in cement prices over entire country is most noticeable. Demand is strong, stocks are low, shipments for the first six months of this year exceed same period last year over 30 per cent., showing probable consumption for 1910 of 75,000,000 barrels, as against 62,-000,000 barrels in 1909.

A. H. CRANEY, JR., Gen. Sales Agent ST. LOUIS PORTLAND CEMENT CO.

of St. Louis, Mo.

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BUILDING AT WACO.

Improvements Representing \$3,000, 000 Under Way or Planned.

Business Men's Club,

Waco, Tex., July 9.

Waco is enjoying and has in prospect an almost unprecedented era of building activity, according to reports received upon investigation by the Waco Business Men's Club. Property values in the business district have more than doubled in the past six months and are now very active. To illustrate how sharp the demand is for new and better buildings, three three-story structures are now being torn down to make way for modern fireproof buildings. The new 21-story office building for the Amicable Life Insurance Co. takes the place of a double-front three story building that would be a credit to any ordinary city. The new 15-story hotel building to be constructed by A. A. Busch of St. Louis, Alfred Abeel and other citizens of Waco will take the place of several smaller buildings and will be located one block from the skyscraper. Other business buildings are being newly constructed or are having additions built. Notable among this class are the Statehouse, which has had one story added, making it four stories, and the Exchange Hotel, which is now having another story added to the three now occupied by it. The Natatorium Hotel has been entirely rebuilt, and its baths, commodious whitemarble swimming pool and medicinal artesian hot water at 103 degrees are spreading Waco's fame as a health resort.

Waco has a building-permit ordinance, but all the buildings and exact cost have not been reported. However, for the 12 months just past the building permits ran \$444,657. Practically all of the larger building operations of the city are not included in this list, as the permits of the majority have not yet been issued. The new \$140,000 high school will be one of the features of this year's building. The actual amount of building the last 12 months and that immediately projected aggregates over \$3,000,000.

The following are the principal building projects either just completed, under construction or being considered at the present time: 21-story office building, \$600,000; 15-story hotel, \$500,000; brev ery, \$300,000; street improvements, \$200,-000: cotton-oil mill, \$150,000: new high school, \$140,000; Cotton Belt freight depot, \$100,000; street-car barns, \$40,000; Cotton Palace Exposition, \$75,000; addition to new Statehouse, \$50,000; Toby's new business college, \$55,000: Hill's new business college, \$50,000; addition to Exchange Hotel, \$15,000; addition to Lang-Hotel, \$15,000; new apartmenthouse, \$50,000; Mailander Showcase Factory, \$30,000: Rotan building, \$12,000: S. H. Kress building, \$30,000; Hill Printing & Lithographing Co., \$85,000; gasworks improvement, \$20,000; water-works improvement, \$20,000; Goldstein & Migel ly on the one located at Waco. store, \$50,000; new fire stations, \$40,000; Country Club improvements, \$50,000; improvement to Auditorium, \$14,000; new Masonic lodge, \$30,000; new bank building, \$10,000; Baylor University gymnasium, \$25,000: Natatorium Hotel, \$20,-000; Knights of Columbus building, \$20,-000; Big Four Ice Co., \$20,000, and new pump station, \$15,000; total, \$2,831,000.

There are also a number of construction projects on foot which are not in the nature of buildings, but which demand the services of expert contractors and men, and which will add much to the growth and prosperity of the rich country surrounding Waco. One of the largest of these is the construction by the Government of lock and dam No. 8, on the Brazos River, within a few miles of Waco, which



UNITED STATES WEATHER BUREAU, ABILENE, TEX.

Building completed: pressed brick: steam heat: furnished as home for observer and equipped with instruments for makin and keeping complete records; value of building and equipment, \$20,000.



FIRST BAPTIST CHURCH, ABILENE, TEX.

Building nearly completed; 115x140 feet; gray and buff pressed brick and molded art stone; two stories and basement; seating capacity, 2280; seats 800 more in emergency; electric lighting; concealed reflectors; Florentine glass in basement windows; opalescent art glass in other openings; interior finished in old ivory and mahogany; cost \$65,000.

Waco and which will assist the seven locks between Waco and the Gulf in maintaining the three-and-a-half-foot stage to tidewater. The cost of each of these locks and dams is \$250,000, and the construction work is expected to begin immediate-

About \$65,000 is being expended in Waco for public parks, and a riverside boulevard, connecting the parks and business district, is being agitated and is under serious consideration, and will probably cost \$50,000. McLennan county has in prospect about \$200,000 for road-improvement work, and a proposition is now pending for further improvements.

Street improvements in the city are receiving a great deal of attention, and paving contracts to the extent of \$150,000 are being prepared. The total sidewalk construction now contemplated aggregates over \$50,000, the sewer and water improvements each totaling \$30,000. Each are considered merely as current improvements, but the city has in contemplation

will create a six-foot stage of water at reservoir on high ground southwest of the city to increase the pressure. The improvement is not needed to increase the reserve water supply, as it is from an artesian source, and is practically inexhaustible. The cost of this improvement will probably be \$200,000.

> C. WILBUR COONS. Secretary.

Birmingham Iron Market. [Special Cor. Manufacturers' Record.]
Birmingham, Ala., July 11.

Fewer sales of iron were made the past week than week previous, also inquiries vere lighter. In the aggregate 3500 to 4000 tons were booked. Iron has been offered and sold on basis of \$11.50 per ton at the furnace for third and fourth quarter deliveries. The majority of the furnace interests are offering iron on a basis of \$12 per ton at the furnace, No. 2 foundry basis, for prompt or third quarter delivery. There has been a further curtailment in the production of foundry and basic iron by the blowing out of two additional stacks. It is learned on good au-

plates going out of commission not later than the present week. With the blowing out of the stacks since the first of the month there will be a telling of several thousand tons in production during the month of July. In this way it is reasonable to suppose that quite a considerable of the "slack" will be taken up in this way.

There was little, if any, change in the east-iron pipe market during the week. The usual small business was in evidence. with prices about as follows per net ton f. o. b. cars here: Four-inch, \$25: 6, 8 and 10-inch, \$21; 12-inch and over, average of \$20, with \$1 a ton extra for gaspipe.

The coal business holds up exceedingly well for the season of the year, and prices in the last four months have increased from 20 to 25 cents per ton on first-class steam coal. Coke has also held its own well. With the blowing out of additional furnace stacks there is likely to be a little surplus coke thrown on the market.

DRAINING 6000 ACRES.

Part of the Reclamation of Louisiana Wet Lands.

[Special Cor. Manufacturers' Record.] New Orleans, La., July 11.

In accordance with plans announced in this correspondence in the MANUFACTUR-ERS' RECORD of March 24, G. A. McWilliams and associates of Chicago and Wainut, Ill., have perfected arrangements for the development of the Kenner tract of 6000 acres, purchased by them from the Suburban Realty Co. some months ago. The development will be called the "Kenner Project." Work of drainage will begin in about 90 days. One of the McWilliams dredgeboats will be floated down the river to do the work.

The tract is about seven miles northwest of New Orleans, between Lake Pontchartrain and the Mississippi River, and has a large frontage on Lake Pontchartrain. It will be developed as a high-class truck-farming proposition. Four lines of railroad run through the tract, and a shell road will be built from the property to New Orleans. It is proposed to sell the lands when drained at \$200 to \$300 an acre.

The McWilliams interests are also actively developing and selling the lands of the St. Charles Land Co. in St. Charles parish, and are enthusiastic about the future of the alluvial wet lands of Louisiana. Sales of a number of drained tracts have been made, altogether to Illinois farmers 52 of whom have been here, and all of whom became purchasers.

ALBERT PHENIS.

Big Drainage Canal.

Contract for a drainage canal in Bogue Hasty drainage district, Bolivar county, Mississippi, has been let to R. H. & G. A. McWilliams, Steger Building, Chicago. The contract calls for excavating 10 miles of canal, 90 feet wide at bottom, 120 feet at top, 10 to 15 feet deep. The total excavation will be 1,155,000 cubic yards. The contract price is \$112,000. Bonds of the district have been sold to Memphis financiers. Work will begin at once, and contract will be completed by May, 1912. The contractors will erect a large 21/2-yard dredge, which will require about 150,000 feet of lumber and timber, which they will buy in the market at once. The district has laid out a complete system of lateral ditches, contracts for which are to be let hereafter. When completed the system will afford drainage for about 250,000 acres of land. The commissioners of the district are: L. H. Gaines, Boyle; J. B. Lee, Shaw; Wm. Connell, Shelby; chief engineer, W. W. Boone, Cleveland, Miss.; the construction of an immense concrete thority that still another stack contem- attorneys, Siller & Owens, Cleveland.

Typical Farm Possibilities of a Louisiana Parish.

Houma, La., July 9.

Terrebonne parish, of which Houma is the parish or county seat, is larger than Rhode Island by a good many square miles, and is almost as big as Delaware. Moreover, "good land," as its name appears in the translation, applies as a description to practically every one of the 1,250,000 acres its borders contain. Since the subdivision of the parish of Calcasieu, Terrebonne is the largest parish in the State, and in none of them are there greater possibilities for marvelous agricultural development. Nor are its possibilities confined to agriculture, important as these interests are now and are to become; for, in addition to sugar-cane, corn, rice, grasses, truck and fruit (including oranges and peaches) there is already a large industry built up in oysters, fish, shrimp and crabs, no waters in the State or the South being better adapted to the propagation of the choicest varieties of this sea food than are the lower bayous, bays and inlets of Terrebonne. And furthermore, there is enormous wealth in the cypress timber still standing in the wooded swamps, millions of feet of which are annually cut now and will continue to be cut for years to come. On top of these resources there are to be added gas and oil, for in enlightened quarters there is the conviction voiced that in course of time the prospecting which has been going on down here for four years past will result in bringing in one of the most important gas and oil fields the country knows. No less an authority than Dr. David T. Day, petroleum expert of the United States Geological Survey, has declared his faith in the ultimate development of a great oil and gas field here, and the results of the only partly successful drilling that has been done in the parish confirm instead of weakening the faith that has been proclaimed.

Except along the ridges flanking the bayous, Terrebonne presents in well-nigh unbroken entirety a drainage proposition, and, although there is more activity in this direction now, and the work has been longer carried on than in almost any other section of the State, the fact remains that only about 10 per cent. of the lands in the parish are in cultivation-some 125,000 These acres sustain a population acres. of 25,000 people, and as every acre in the parish is as fine alluvial soil as can be found in the made lands of the Mississippi delta, there must in the course of time be a population in the parish of 250,000 prosperous people, and that long before there is anything like the thickly-settled conditions that prevail along the bayou Lafourche, in the parish on the east, where there is practically a village street 42 miles long, with a residence on an average every 200 feet.

None but investigators have anything like an intelligent conception of the fertility of this soil. An analysis which might be applied to the soil taken from any part of the parish has just been reported by Dr. Firman E. Bear, soil expert of the Ohio State University, Columbus, O. This sample was taken from lands in the vicinity of the Lafourche, and, as pointed out, there is no essential difference between this and any of the soil in Terrebonne parish. The report says:

"The enclosed sheet contains the analyses of the sample of soil and of the subsoil. The first eight inches was analyzed as the soil and the next 12 inches as the subsoil. The per cent. of nitrogen, phosphorus and calcium are given for each, and also the loss by ignition, which is humus and water for the most part. In

of the different substances determined it was considered that eight inches of the soil weighed 1,500,000 pounds, and the 12 inches of the subsoil would weigh about 3.500,000 pounds. The calcium was figured as limestone, although not all of it was present in that form. This was figured in pounds per acre.

"As to the productive ability of the soil, it will be seen at a glance that it is decidedly a fertile soil. There is enough nitrogen present in the first eight inches to supply nitrogen for 1000 50-bushel crops of corn. Have never analyzed a soil which contained so high a percentage of nitrogen.

Analysis. 8 to 20 inches. 18.30% .46% .10% .80% Pounds of Plant Food Per Acre.

Nitro- I gen. pl oil, first 8 inches.... 41,050 ubsoil, 8 to 20 inches. 16,100 Phos- Lime-phorus. stone. 4,650 42,756 3,500 70,000 *Loss on ignition is occurater and organic matter. ccasioned mostly by

Note the statements: "There is enough nitrogen present in the first eight inches to supply nitrogen for 1000 50-bushel crops of corn. Have never analyzed a soil which contained so high a percentage of nitrogen."

In these days, when a coming famine in food-producing lands in America is being pointed out by wiseacres, and when the arid lands of the former deserts of the West are being brought into cultivation by expensive systems of irrigation, it is well enough to take thought of the million acres here in this one parish of soils so marvelously rich in plant food that a thousand crops may be raised before the subsoil is drawn upon at all. Is it any wonder that the intelligent investigator grows immoderately enthusiastic over the possibilities here, when he finds how cheaply these unoccupied storehouses of fabulous wealth potentiality may be purchased, how inexpensively they may be drained and how practically inexhaustible is their fertility?

As before stated, almost all of Terrebonne requires drainage, yet while much work of the kind has been carried through, and the development dates its beginning all of 20 years back, the work still remaining to be done shows that what has already been accomplished is merely a preliminary skirmish. With more than 1,000,-000 acres yet in the wet, the real battle may be said to have hardly more than begun. There will be work for hundreds of enterprising developers here for years to come. but with the certainty and the munificence of their reward there can be no doubt of their coming, in increasing numbers all the time, until every portion of this favored land is as highly developed and as alluring to the eye and as conducive to opulence as the areas that have already been brought into cultivation here.

As with all the alluvial lands in lower Louisiana, there is a tremendous advantage here in the fact that as soon as drained these lands are ready for cultivation. There is no period of "probation," no postponement of condition until such time as the lands have emerged from a 'raw, unmellow, unsweetened" state, as in me other sections of the Union. Here the lands are mellow, sweet and fit the moment that drainage is completely effected, and the first crops of many products are not surpassed by their succe sors. And this applies not only to what are called swamp or wet lands, but even to submerged, for no finer, fitter or more

of Lake Field till the water was drained off, and which yielded most prolific crops the very next season. The immediate availability of lands for cultivation as soon as the water is carried off through laterals and canals, with proper levees and a pumping plant wherever the fall of water is not sufficient for self-drainage, has been demonstrated just as often as the test has been made. So it is not a mere matter of a frequent occurrence, but an invariable fact of universal application.

Along the larger bayous in Terrebonne. nainly in the northern end of the parish, there have been princely plantations, with their colonial mansions, sugar-houses and 'quarters" for the field hands since long before the war; but a large part of the present-day development in cane-growing and sugar-making dates from the beginning of drainage in the parish. About 1888 the first steps were taken to organize two drainage districts, one affecting Bayou Black and the other Bayou Terrebonne. An unusual 10-mill tax was levied to run 10 years, and the work was begun in 1890. The results of the work surprised even the advocates of the undertaking. districts affected were given thousands of acres of the finest cane, corn and grazing lands which had been water-soaked from the beginning of things here, and lands which were formerly a drug in the market at \$1 an acre were in demand at constantly-increasing values, till today it would be considered a sacrifice to let them go at anything below \$100 an acre. All along the bayous, extending well toward the Gulf, there are sugar plantations and sugar-houses, and one of them, that of the Bush's at Montegut, is the largest individual sugar refinery in the country.

These planters, as well as individuals, companies and drainage districts, all are doing something in the drainage line, eight dredges being at work in the parish at this time, and the work begun 20 years ago has never stopped. There has been something doing every year, till about \$500,000 has been spent on the work, and, with the impetus given and the clear demonstration of the enormous benefits that ensue, it is the expectation that within the next 10 years every portion of the parish readily ccessible will have been drained.

In the course of time, depending on the extent and intensity of the land hunger that prevails, every part of Terrebonne lands right down to the sea, notwithstanding the extent of the levee work required, will be made fit and put in cultivation, for it is all part and parcel of the great silt deposit the Messissippi River has been bringing down the valley through countless ages. With the development of the lands throughout the parish, railroad lines will be extended and new roads built in. while the deepening and widening of bayous and the cutting of drainage and navigation canals will make every portion of the parish easily accessible to the markets. The main bayous are all navigable in varying extent at present, and a regular line of boats run between Houma and New Orleans. Also, Houma is on the approved route of the National Intercoastal Canal, which will some day extend from Cape Cod to Brownsville. It is also on the route of the New Orleans to San Antonio good road, which will one day be extended and connected up so as to give an automobile road from New England via Washington, Atlanta, New Orleans, etc., to Mexico and all the Pacific coast. So Terrebonne, already possessed of excellent transportation facilities, will ultimately have most exceptional advantages in this line,

Although the oyster and fish business is lands which have for ages been entirely the basis of Houma's prosperity, its development having brought Houma from a vilcalculating the number of pounds per acre friable land can be found than that over lage of 1280 people in 1890 to a bright lit- nificent plantations in Terrebonne parish

on the Lafourche, which was the bottom tle city of nearly 7000 population today, agriculture, practicaly all based on sugarplanting, easily leads in magnitude of operations and value of product, taking the parish as a whole, with cypress lumber coming second. There are in the narish about 50 cane-growers on a large scale, with plantations averaging about 2000 acres, and there are 19 refineries. The annual production of sugar in the parish is about 110,000,000 pounds. The branch line of the Southern Pacific Railroad between Schriener and Houma, 10 miles long, is dotted with plantation mansions, and on Bayou Black all the plantations but one are provided with railroad switching facilities. The other plantations are on the bayous away from railroad transportation, and thus three-quarters of the sugar production of the parish is now transported by water route.

Here, as elsewhere throughout the sugar belt, the sugar planter is the highest type of agriculturist in the world. Combining the business of cane-growing with sugarmaking, he is both an agriculturist and a manufacturer, and it is an essential of success that he be highly intelligent, skilful, scientific, alert and possessed of managerial ability. He is almost certainly a graduate of some technical university or college, and he is a student as well as a practical worker all the time. Thus, in the case of Charles V. Moore, manager of the John T. Moore plantation at Schriever, here is a comparatively young man, a college graduate, who is all the time busy on some feature of plantation economies. Outside of successful sugar-making, he takes up the matters of cattle-raising, hoggrowing, dairying, poultry-raising, etc. He raised 50 head of as fine Herefords as can be found anywhere, and he most successfully raised his calves by hand on skimmed milk, to which were added the cheaper vegetable oils instead of the animal fat of the cream. His dairying is done according to the most scientific and sanitary methods. His hogs are thoroughbreds, and his chickens of the most prolfic and thrifty sort.

John D. Minor, manager of the Minor estate, owners of the magnificent Southdown plantation, near Houma, on which, in addition to the old plantation home occupied by himself, there has just been completed a \$50,000 concrete palace, with every possible modern convenience for the use of other members of the family, is another illustration of the student and practical man combined. He is going in extensively for drainage, having just completed a 10-mile drainage canal which has taken the water off a large tract of hitherto unavailable property belonging to the estate. Mr. Minor has been making extensive experiments with a native marsh grass named paille finne (called "pyfeen") of not clearly established value as a hay crop heretofore. He had the grass analyzed by the Government, and got a report that it contains 81/2 per cent, protein and 45 per cent, carbo-hydrates, making it a much better "roughness" food for mules and cattle than cowpeas, and he most successfully fed 3000 tons which he put up last year, and is arranging for a much larger crop just now. By the addition of molasses the paille finne hay, chopped up, becomes a well-balanced food, and, as his mules leave the pea bay for the paille finne, he proposes to plow the cowpens under for the soil food they produce and feed his stock on the new substitute. As stock feed is one of the big items on a plantation, and as paille finne grows in rank profusion on all the wet lands of lower Louisiana, the demonstration made by Mr. Minor is of much interest and advantage to the entire section,

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idealized Southern planters' surroundings, conditions and life-with the magnolia. the live oak, the pecan, the honevsuckle and the mocking bird as settings for the picture, with automobiles, motor boats and vachts as comforts and conveniences and trips to New Orleans, the mountains and the seashore or to Europe as diversionsthere are small farmers, truck growers, etc., although the development in this line to a very notable extent is yet to come. It is conceded that the general prosperity of any section is enhanced in proportion to the number of independent and suc cessful small farmers it contains. With the drainage of large acreages to be cut up into small tracts, and the advent of capable and industrious newcomers, it is felt that the proportion of small farmers to holders of large plantations may be changed, but, as conditions have been in the past, it is declared by the large planters that the system of concentrated management was the only one that could insure success. The small man has needed a directing head, and successful sugar-making has only been possible on the plantation system. It is conceded that in competent hands the owner of 160 acres or less might successfully put a portion of his tract in cane to be sold to the neighboring planter who owns a refinery, while on the remaining acreage he could raise cattle, hogs, chickens, foodstuffs for his family and his stock, and steadily progress toward affluence.

It is demonstrated that small farmers who work can thrive amazingly. A man named N. B. Davenport, originally from Pennsylvania, recently bought 140 acres on the Terrebonne near Houma. He is "mixing brains with his pigments," and with the addition of brawn is getting rich quick. With simply the native Creole corn, the seed for which, however, he carefully selects as he goes through the year while feeding his stock, he is developing an improved and highly productive variety. In a field I recently visited almost every stalk had from two to three ears of matured corn, while on some of them there were five, six and seven. As the rich soil of this section produces a rank growth of stalk, it is found advisable to plant the rows 51/2 to 61/2 feet apart, which is almost twice the distance common in Illinois and other Northern corn-growing States. A yield of 35 to 40 busheds, as here, therefore, would be about equal to a 75-bushel crop up there. There is a move to breed a small stalk, dwarf corn here, and also experiments are being made with the South Carolina prolific, of the kind which gave that State the blue ribbon on an unexampled yield of 22616 bushels to the acre. Scientific corn-growing is new to Louisiana as yet, but there is great progress being made, and unquestionably the importance of the corn crop here will continue to grow greater year by year.

Mr. Davenport raises potatoes, remarkably fine and large specimens, and got 120 bushels to the acre. He raises them between the corn rows, and in addition to the two crops he will plant cowpeas for hay and later on to be turned under for fertilizing the soil. He may also raise an early and a late crop of potatoes.

On a piece of well-worn land he planted 21 arpents—about 18 acres—in broom corn, as it grows too rank on new soil. To the surprise of his skeptical neighbors he made a fine crop, and in order to get all possible profit he made the corn up into In this manner his broom corn brooms. crop yielded him \$3000.

It is so easy to get a living down here that the incentive to great exertion does not present itself to all. Quite an army of dwellto the value of \$75,000 having been marketed in Houma last season; the fishing is good, and truck grows without much effort, so there is contentment with conditions as they are. It will take a new infusion of blood to build up a community that will take full advantage of the agriculture possibilities here that will strive for new markets, new products and a new order of things

The oyster business is the greatest industry in Houma, and represents a volu of business amounting to about \$350,000 a year. One establishment here cans oysters and shrimp: two other oyster dealers simply ship the raw oyster in cans. is unquestionably a great future to the oys-I met a Chesapeake ter business here. Bay man named R. J. Younger, who is quite a king in his line, and has made a comfortable fortune in the oyster business. The number of men from the North in the oyster business here is very small, however. Conditions would seem to warrant his tent and remain. a more careful investigation on the part

which sustain all the traditions of the pers, muskrat, mink, otter and coon skins of Chesapeake Bay oystermen, for no section of the Union has greater possibilities in the line of oyster deevlopment than Louisiana.

> When gas has been securely brought in, as it is practically certain that it will be, and when the oil that it is expected to be struck begins to flow, Terrebonne will be in the public eye as it has not been as yet. But aside from that prospective development, there is sufficient wealth in the soil development already under way to make of Terrebonne one of the most prosperous, wealthy and attractive sections anywhere.

> Even now there is a charm that lures the beholder. The Cherokee rose along the roadway; the bowers of beauty which even the cottages, vine-clad and rosewreathed, present; the lordly trees, the kindly people, the manifest healthfulness and the salubrity of the clime, combined with a fertility of soil that practically knows no exhaustion, weave a spell on even the casual visitor until he would fain pitch

> > ALBERT PHENIS.

Cotton Growers and National Food Supply.

By Dr. W. J. McCAIN.

[Written for the Manufacturers' Record.]

the food products can and should be made at a moderate cost. on the farm? Whether he will or not depends upon whether or not he employs correct methods of farming. The writer regretfully states that the average farmer of the cotton States is sadly lacking in emplayment of correct methods. He must state that it is his opinion that the high prices of food products in the United States is largely due to the fact that the farmers of the cotton States raise such a small per cent. of the food products consumed on these cotton farms. They could raise the food products, but they don't do it, and there is where the trouble is coming from. Why, the cotton farmers are depending almost as much upon the Middle and Western States for food products as do the cities and towns throughout the country, and the high cost of living is weighing heavily upon these farmers, who should be in position to profit by selling at good prices all the foods that should be made on the farm. By a one-crop system they are not only injuring and impoverishing themselves, but they are making the burdens heavier upon their city cousins by causing the prices of food products to climb higher and higher from year to year. Unless this error in our economic condition is soon righted it will result disastrously to the greater part of this nationto all, except the food producer, and he will soon grow so rich he will quit and go abroad to live and we will be left in a state of famine, or nearly so.

Some may think this an overdrawn picture. Possibly it is so, but not much overdrawn. On account of the rapidly-increasing city population, especially, is the situation fast approaching a very serious crisis. and it deserves the thoughtful consideration of our wisest lenders. The sermon on diversification of crops in the Southern States has been preached these many years and has most often fallen on deaf ears, and without wishing to condone slothfulness, it must be stated that there was not a while back the incentive to diversify crops in the South that we now have. In the first place, we did not have the large city population in the South a few years ago that we now have, and the demand was quite limited, except on long haul, and many complications arise from shipping to far away markets. Secondly, we did not then have the enormous city populaers along the bayous make a living as trap- tion throughout the country, and the Mid-

Shouldn't every farmer profit by the dle West and West were glad to meet the high prices of food products, as nearly all needs of the country with food products

> But "the times are changed, and we should change with them." To point out the quickest and most desirable way of bringing about this change in the cotton States should call forth the profoundest consideration throughout the nation. The writer has lived in the cotton country all his life, and has been a close student of the farming methods, and its lack of methods, and he begs pardon to give it as his opinion that the perpetuity of our national prosperity largely depends upon getting the Southern farmer to produce at least all or nearly all the food products consumed on his farm, and a surplus for sale to the town and city population in as large volumes as is possible for him so to do.

Habits, and especially bad habits, are hard to overcome, and the average cotton farmer has fallen into extremely bad habits within the last 40 years. Whether this is largely due to some one great cause, or to a combination of causes, may be a subject for debate. The writer believes it is due to a combination of causes, and that the time is near at hand when these causes may be forever set aside. Some of the es may be here mentioned: We were prostrated by the devastation of war and paralyzed by the evil days of reconstruction and carpet-bag misrule: our minds and hearts up to a recent date were centered on the preservation of the white civilization of the South, which is immeasurably paramount to the comparatively base consideration of the physical needs of the body. And the fact that the South has maintained its civilization and racial supremacy under such an ordeal will go down in history for thousands of years to come as evidence that the "Old was composed of the most virile race of men that the world has ever known.

Further, our system of labor was completely subverted, and a tenant system was largely forced upon us in many sections, as labor could not be had then on any other plan. The tenant secured his annual supplies of food products, implements, farm teams, etc., of the merchant on credit, at high prices, and the system grew until the farming was largely taken out of the hands of the intelligent and able management of the "ante-bellum" farmer. And the writer wishes to state right here, with due deference to other farmers of these United States, that the fertility of the soils of our farms. By no

a superior in this or any other country. In those days the Southern farm not only produced its food crops, but it made the clothes, shoes, implements, wagons, etc., needed on the farm.

But we are digressing. Let us pass to the consideration of present needs of the South. We feel that the black cloud that threatened us so long is passing, has, indeed, passed. The white man rules this country, will always rule it, and the sooner this is frankly and openly recognized and acknowledged by both the great parties of our nation the better for all sections and all colors of our land. And the colored man will come nearer getting what is justly and rightfully due him under the law by keeping severely out of politics. and especially is this true in the Southern States; for, by meddling in politics he stirs up hatred of the white man, and thereby jeopardizes his best interests.

Cut out this negro question in these United States, and we would soon have no North, no South, no East or West, but one united country, sealed in the bonds of friendship and love, so strong that no power could ever again break them asun-May this question be speedily settled by some wise plan, and settled forever, so far as it applies to our beloved

The Department of Agriculture is doing a great work throughout the South in pushing tick eradication, to clean the infested farms of the South of this cattle pest, which carries the infection of cattle, or splenetic fever, and has so long retarded and interfered with profitable cattle-raising in the South. This work is now being especially pushed in Tennessee, Mississippi and Alabama, and also with more or less vigor in several other Southern States. If the magazines and newspapers throughout the country would come to realize the importance of tick eradication and bring its importance forcibily to the attention of the farmers throughout the South, they could do more than any other agency toward bringing about an improvement of animal husbandry in the South. We must employ animal husbandry largely the South before we can get our farms in proper condition to grow successfully and profitably a variety of crops. The nation needs the beef and the dairy products that should be made on the farms of the South, instead of the farmers of the South competing in the buying market with the citizens of the cities for these food products, and thereby causing the prices to ascend beyond the reach of the average wage-earner. In some way this great effort at tick eradication should be rapidly spread, and the work over the entire South speedily finished up. The work is easily accomplished after the people are aroused to its importance and taught the methods of stamping out the pest. In view of the spread of the boll-weevil in the cotton States, tick eradication becomes the more important, as our farmers must look to some other source of income to partially compensate for the loss of a large per cent. of their cotton after the bollweevil reaches this field. And nothing can more quickly or easily be made to make up this deficit than successful animal husbandry, and for the latter to be profitable. we must stamp out the cattle fever-tick in the South.

The leading editors of the papers of the South cannot do a nobler work for their section of country than getting the data from the bureau of animal industry at Washington and educating the people of the South in the advantages of tick eradication, and on the importance of animal husbandry as a means of maintaining the of

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other means can the fertility of the soil be maintained for any great number of The fertility of the soil must be maintained, or in course of time it will fail to support the people of the farms and give that degree of sustenance and comfort that are necessary to produce strong, brave and intelligent men and healthy, pure and noble women. Again. we must call attention to a fact that should always be uppermost in the minds of thoughtful men. With poverty of the soil there come poverty of the home, degradation and decadence of the citizen, and with the decadence of the citizen, ruin and decay of the republic. God guide us, that through slothfulness this calamity may not overtake our country!

Livingston, Ala.

Watauga Power Co.

Some time ago the MANUFACTURERS RECORD announced the plans of the Watauga Power Co. for a water-power-electrical plant. Francis R. Weller of Washington, D. C., the company's engineer in charge of design and construction, now sends the following statement:

"The company's development is on the Watauga River, about seven miles above Elizabethton, Tenn. A solid concrete dam 60 feet above foundations is now being built across the river. The spillway s tion is 240 feet long, and the headwalls are 60 feet long. The racks and gates are located on the upper face of the headwalls. Through the headwalls three 7 feet 6 inch steel penstocks will carry the water to the turbine units. Each unit will consist of two 33-inch horizontal shaft turbine wheels, each unit being direct connected to a 1250 K. V. A.

"The power-house will be of concrete up to the windows; above this line it will he brick with steel roof. At the end of the power-house will be located the transformer-room, having three transformers to step-up voltage from 2200 to 44,000 volts for transmission. The principal market will be in Bristol. Power will also be delivered in Elizabethton and probably in Johnson City. The distance to Bristol is about 20.5 miles.

"Contract has been awarded to W. J. Oliver of Knoxville. Tenn., for constructing the dam, power-house and tailrace; to the Westinghouse Electric & Manufacturing Co. of Pittsburg for electrical machinery; to the S. Morgan Smith Company of York, Pa., for hydraulic machinery.

This company is the successor to the Doe River Light & Power Co., and owns small power development on the Doe River and another undeveloped power further up the stream. Lee F. Mills is president of the new company, and J. H. Gray-W. E. Hunter is son is general manager. also interested. All of Elizabethton."

Crop Acreage Estimates.

The acreage of the cultivated crops so far estimated by the Bureau of Statistics of the National Department of Agriculture is about 4.2 per cent. greater than last year. The preliminary estimates of acreage in 1910 and the final estimates for 1909 for important crops are as follows:

Crop.	1910.	
Corn	114,083,000	108,771,000
Winter wheat	29,044,000	28,330,000
Spring wheat	19,742,000	18,393,000
Oats		33,204,003
Barley	7,057,000	7,011,000
l'otatoes	3.521,000	3,525,000
Flax	3,103,000	2,742,000
Rice,	717,000	720,000
Tobacco		1.180,000
Cotton (planted)	33,196,000	32,292,000

Under the auspices of the Greater Galston Committee, Mayor-President Lewis Fisher, chairman, and R. E. L. Giles, secretary, municipal officers of this country have been invited to a City Commission Congress to be held at Galveston November 21-23.

SOUTHERN COMMERCIAL BODIES WANT INDUSTRIES

WHAT IS YOUR TOWN DOING?

The MANUFACTURERS' RECORD will be glad to receive from responsible correspondents in every town in the South brief items of news about business conditions and the opportunities for industrial enterprises. This information is desired for publication without cost of any kind to the sender, and regardless of whether the writer of the letter is a subscriber or not. The MANUFACTURERS' RECORD accepts no paid town write-ups. It seeks information of this kind from commercial and industrial organizations and from municipal authorities in every town and city of the South.

This department is open only to news facts of interest to investors and homeseekers. Communications of 200 or 300 words are likely to be given prompter publicity than more extended ones.

DEL RIO'S ADVANCE.

Commercial Club,

Del Rio, Tex., July 6. Editor Manufacturers' Record:

The bank deposits of Del Rio, according to the statements issued by the two national banks at the close of business June 30, show an increase over the last report, March 29, 1910, of 41 per cent.; an increase of 45 per cent, over the statement issued January 31, 1910, and the phenomenal increase of 95 per cent, over March 29,

No better illustration of the growth and prosperity of this section could be given. One year ago Del Rio had no commercial club; no organized effort to develop the city and surrounding territory; no good prospects of a new railroad, and but few prospectors coming into the community. A commercial club was organized about 10 months ago, and the entire energies of the organization were put to work to get a north and south railroad. Less than five months after organization a contract had been signed with the Kansas City, Mexico & Orient Railroad to build an extension from San Angelo to Del Rio, and an arrangement was made at the same time for a road into Mexico, to be built by the Mexican National Lines, to connect the Orient with Mexico City. Work on both roads has already commenced. Since the contract was signed Del Rio has been forging ahead as she never did before. Prospectors, investors and homeseekers have swarmed into the country, and the commercial and industrial activity that has characterized many another Southwest city has been manifested here to its greatest degree. A study of the above bank deposit figures tells the story more graphiccould be done in any other way.

Within 30 days a new State bank and trust company will be in operation, with a capital stock of at least \$75,000, and the entire capital has practically been subscribed within the county.

FRED I. MEYERS

Secretary. HELENA AND SURROUNDINGS.

Board of Trade.

Helena, Ark., July 8. Editor Manufacturers' Record:

At the foot of Crawley's ridge, on the west bank of the Mississippi, lies Helena, the embodiment of all that's progressive. With her 15,000 souls working like so many bees under the skilful and aggressive leadership of Presidents E. C. Horner of the Business Men's League and Jos. L. Solomon of the Board of Trade, and with the sound of the hammer and the saw, the whir and buzz of the manufacturing plants and the churn of the paddlewheels on the big Mississippi River steamers, this little city presents a scene of life and activity that is seldom seen in a city of her size, and which would do credit to cities of twice her population.

With her 34 manufacturing plants, employing 2000 men, with an annual payof approximately \$2,000,000, and turning out lumber and manufactured

to which may be added cotton and cotton products handled by this city to the value of more than \$6,000,000. Helena presents a particularly enticing inducement to the investor.

Lining the river bank is a large drydock and shipbuilding plant; three miles to the westward of the city proper is a monument to the thrift, energy and daring of E. C. Horner. Where but one short year ago laid a barren waste of sage field and forest is now the town of West Helena, mbracing more than 150 homes, four large manufacturing plants, a country club and a summer theater and park. West Helena. with paved streets, granolithic walks, sewerage, water-works and electric lights, is linked to the mother city by an up-to-date electric interurban line.

In the center of the city proper Jos. L. olomon has erected, at a cost of \$120,000, a modern reinforced concrete and steel fireproof office building, to say nothing of his many other interests which are working for a greater Helena.

Five railroads have their terminals in this city-the Iron Mountain, the Arkansas Midland, the M. H. & L., the Missouri & North Arkansas and the Yazoo & Mississippi Valley, and the Memphis, Dallas & Gulf has accepted the inducements of this city and is now making all progress with its line toward Helena, which, temporarily at least, will be its eastern termi-Add to this that great rate regulator, the Mississippi River, with her lines of steamers and barges and the 20,000 square miles of hardwood timber tributary to Helena, and you find the inducement and evidence which is incontrovertible in the eye of the manufacturer seeking location.

Helena has five banks and a trust comally and in a more convincing manner than pany, with aggregate capital, surplus and deposits of \$5,000,000; modern churches and schools, and, greatest of all, chemically pure artesian water. She is surrounded by thousands of acres of the most fertile soil known to man, embracing the Mississippi, St. Francis and White River bottom lands and the tablelands lying to the west of Crawley's ridge, which offer an attraction to the homeseeker which but few localities can offer.

JAMES A. WARD.

CUMBERLAND'S ADVANTAGES.

Cumberland, Md., July 8. Editor Manufacturers' Record:

Cumberland, the second city in Maryland, with easily 25,000 people, and grow ing, is in the midst of the most prosperous year in the last decade of its history. All the labor-employing establishment in the city, of which there are many, excepting the three glass works, which usually close down this season of the year, are working to their full capacity, some of them day and night. Work on the extension of the Western Maryland Railroad from this city to New Haven, Pa., where it will connect with the Lake Eric Railroad system, giving Cumberland another trunk line, is making rapid progress at this end of the link. The city is filled with men employed on the products valued at more than \$5,000,000, Here is the purchasing center of supplies prises.

Cumberland having recently adopted the commission form of government, consisting of a mayor and four councilmen, is attracting the attention of the outside world, especially the cities of the East, on this account, interest being centered in the outcome of this form of municipal control.

The other evidences of Cumberland's progress are the new six-story brick and stone home for the Tri-State Trust Co.; the new city hall to be erected on the site of the old one destroyed by fire on March 14 last; the proposed new depots to be built by the Baltimore & Ohio and the Western Maryland railroads, respectively; the large adition now being made to the Western Maryland Hospital; the enlargement of many business houses; the erection of many homes in different parts of the city, many of which are rented before the foundations are completed, and the thouands of dollars being spent for street paving and other public improvements.

As a commercial and manufacturing center Cumberland has many advantages. Besides its numerous railroads and being the head of the Chesapeake & Ohio Canal. cheap coal and natural gas, it is the natural trading point for the populous territory within a radius of a hundred miles, the several railroads bringing in daily large numbers of persons from this teritory to do their shopping. Cumberland retail business is very large, therefore, States corner here-Maryland, West Virginia and Pennsylvania—the contiguous counties of the latter States finding a buying and selling market here. Nine banks, four national and five savings, represent Cumberland's financial standing.

Just now there are being made strong efforts by the Board of Trade and other associations and the people generally to secure the general shops of the Western Maryland Railroad Co for this city. Committees have been appointed to wait upon President Bush of the company and present Cumberland's superior advantages. One enterprising citizen has agreed to present the company, gratis, all the land it may need for that purpose. Cumberland is also reaching out for more factories, and extends through Mr. Harry E. Weber, president of the Third National Bank and president of the Board, of Trade, a cordial invitation to all interested to come and look Cumberland over.

To sum up, Cumberland has 25,000 people, 7 steam railroads, 1 canal to tide, 9 banks, 2 electric railways, 2 live daily newspapers, I weekly and a large publishing house, the finest coal, natural gas, cheap lumber, abundant labor, fine churches, schools, theaters, two hospitals, water-works, fire protection, gas and electric-light plant, paved streets and 50 profitable industrial institutions.

What Cumberland wants-more of what it has and steel, iron, glass, timber, machinery, cement, brick, flour and other heavy freight manufacturing establishments; also silk mills, woolen mills, knitting mills, shirt factory and all that class of light-weight goods requiring low freight. good labor, fair rents and healthful surroundings. GLISSAN T. PORTER.

WHAT SPARTANBURG OFFERS.

Chamber of Commerce

Spartanburg, S. C., June 28. Editor Unnufacturers' Record:

Your valuable journal is doing a great work for our Southland in letting it be known what inducements our various se tions offer for the investment of capital and the establishment of lucrative indusconstruction work or seeking employment. tries and the launching of paying enter-

Attention is invited to Spartanburg, S. C., as offering uncommon advantages, and some of the reasons are here submitted:

1. Spartanburg has two trunk-line railways, namely, the Southern and the Carolina, Clinchfield & Ohio. The former affords connection with the East and the latter with the West. Through these lines Spartanburg is on traffic terms with the

2. Spartanburg has two great electric power lines, with ample horse-power to accommodate three times the manufacturing capacity now in operation, to say nothing of its undeveloped water-powers which are waiting for utilization.

3. The completion of the suburban electric railway now under construction will together Spartanburg county's 26 cotton mills now in operation, will establish almost hourly transportation between all the towns, cities and villages of the State and open up a paradise for the truck farmer and fruit grower, the dairy man and stock raiser, and give a general impetus to every branch of agriculture, in which Spartanburg county stands secon to none in the progress made in the past deendo

4. On account of its proximity to the mountain sections of North Carolina and Tennessee, it has access to an inexhaustible supply of labor, white, dependable and native, who make the finest textile operatives in the world, and could do just as well in other industries.

5. Spartanburg county has an elevation of from \$50 to 1000 feet, a most equable climate, no extremes, the hottest days tempered with refreshing breezes, and all the nights cool and pleasant. The entire county is practically exempt from malaria.

Spartanburg needs factories, and there are several sites suitable for cotton milling or other manufacturing near the city which can be had on most favorable terms

With its railroad facilities, its unlimited electric nower, its interurban electric railways, its labor supply, its direct supply of the very best of steam coal from the coal fields of Clinchfield, Va., its unequaled climate, its never-failing crops and its cooperating citizenship, it claims your consideration and invites your investigation for comparison with other sections

J. G. MANSFIELD.

OPENING AT PASCAGOULA.

Pascagoula, Miss., July 7.

Editor Manufacturers' Record:

Reports received here from various see tions of Jackson and George counties along the line of the Pascagoula Northern Railroad are to the effect that the farm are engaging extensively in the planting of corn and cotton, and that the prospects of an abundant crop of these staples are unusually bright.

Pascagoula offers a good opening for a cotton factor and commission merchant. as there is no one in that line of busine here now. One who wishes to engage in that business here should be early on the scene, as the present business can be easily handled by the right man, and with the of controlling this busin (which will increase from year to year) in the future.

The managers of the Pascagoula Northern Railroad state that though their road has only been operating one month today, it is a paying proposition, the passenger traffic alone paying the expense of running CHAS. E. CHIDSEY.

Detailed information about towns seeking manufacturing enterprises and offering specific advantages for development and business opportunities can be found under the head of "Classified Opportunities" on pages 74, 75, 76, and under "Cities, Towns and Railroads Inviting Factories" on 106, 107, 108 and 109.

WEEK'S HIGHWAY RECORD.

Progress in Southern Road and Street Improvement.

[Full details of highway undertakings are given in the Construction Department.]

Bonds Voted.

Brandon, Miss.-Rankin County Commissioners authorized \$30,000 bond issue for road construction.

Erwin, Tenn.-City voted \$20,000 bond issue for street improvements and sewer construction.

Gulfport, Miss,-Harrison County Commissioners authorized \$50,000 bond issue for road construction

Huntsville, Ala.-City Council adopted one mile of macadam road. ordinance for issuance of \$40,000 bonds to pave several streets.

Jackson, Miss.-Hinds county will issue \$200,000 of bonds for road construc-

Meridian, Miss. - City voted \$10,000 bond issue for laying brick or cement side-

Midlothian, Tex .- Midlothian Precinct of Ellis county voted issuance of \$80,000 of bonds for road construction.

Munday, Tex.—City voted \$5000 bond sae for street improvements

Seguin, Tex.-City voted \$25,000 bond issue for street improvements.

Southport, N. C .- Smithville township road improvements.

Bonds to Be Voted.

Jackson, Miss. - Hinds County Commisioners will consider \$200,000 bond issue for road improvements.

Orlando, Fla. - Orange county votes September 14 on \$1,000,000 bond issue for construction of brick roads.

Southport, N. C. - Lockwood Folly of Sanson & Funk. township votes August 13 on \$10,000 bond issue for road construction.

Sparta, Ga. City contemplates voting on \$60,000 bond issue for roads, etc.

Wise, Va.-Wise county will probably vote September 6 on issuing \$700,000 of bonds for road construction.

Contracts Awarded.

road costing \$2500.

Clarksburg, W. Va.-City awarded contract for street paving.

Europa, Miss.—Aldermen awarded contract for construction of sidewalks and ment. crossing to cost \$10,000,

Elizabeth City, N. C .- City awarded optract for asphalt paving on Main street and brick paving on other streets,

Hot Springs, Ark .- City awarded contract for concrete-block pavement on Ben-

ton street. Jonesboro, Ark. - Board of Improve ent awarded contract for 23,000 square yards of paving, 105,000 square feet of sidewalk and 10,000 linear feet of curbing.

Knoxville, Tenn.-Knox County Road Commission awarded \$3000 road contract for work on Dry Gap pike extension and at \$1000 for work on Tillery Rd.

Knoxville, Tenn.-Knox County Road tion will construct granolithic sidewalks. Commission awarded \$30,000 contract for repairing Tazewell pike; also three contracts, aggregating \$15,000, for repairs on various roads; also awarded three contracts, aggregating \$\$000, for new work.

Londsdale, Tenn.-City awarded contract for street paving to cost \$18,000.

Memphis, Tenn. - City awarded contract for resurfacing about 23,000 square yards of brick pavements at a cost of about \$34,000; also awarded contract for asphalt paving on one block; also various other smaller contracts.

Norfolk, Va.-Board of Control awardcontract for paving and curbing on

Princeton, W. Va.-T. Towles & Co. have contract for paving streets with brick, macadam and tarvia macadam; also for constructing 16,000 feet of curbing sidewalks; amount said to be \$250,000

West Palm Reach, Fla -- Palm Reach county awarded contract for rock surfacing on Okeechobee road, for rocking main county road from Mangonia to Stew-

Winston-Salem, N. C .- Forsyth county awarded contract at \$5920 to construct

Contracts to Be Awarded.

Alexandria, La. - City opens bids September 6 for vitrified brick and gravel paving on Gould avenue.

Baltimore, Md.-State Road Commison opens bids July 27 for constructing about 5 per cent, of the total road mileage. 8.34 miles of road

Birmingham, Ala.—Street committee has recommended that the city engineer adertise for bids on paving 18th street, and ployed being 4579. that ordinances be drawn for paving various streets with vitrified brick, etc.

Cambridge, Md. - City will expend \$100,000 for street paying.

Cape Girardeau, Mo.-City opens hids of Brunswick county voted bond issue for July 18 for grading and macadamizing with bitulithic binder on three streets and grading and paving with creosoted wood blocks on Broadway.

> Dallas, Tex.—City opens bids July 20 for resurfacing on two streets.

> Joplin, Mo. Bids were opened July 11 for grading three miles of public road. Specifications, etc., were on file at office

Lafayette, Tenn.- City opens bids July 25 for laying concrete sidewalks.

Louisville, Ky.-City awards contract July 20 for 35,599 square yards of asphalt paving, with 5925 square yards of vitrified block for gutters; estimated cost \$117,960.

Memphis, Tenn.—City opens bids July 19 for constructing 52,500 square yards Austin, Tex.—Travis county awarded of tar-macadam pavement, 3410 square contract to construct one mile of gravel yards of tar-macadam resurfacing, 1900 square yards of mussel-shell pavement, 2500 square yards of old-stone pavement. 2200 square yards of concrete pavement and 15.720 square yards of asphalt pave-

> Newport, Tenn.-City will construct two miles of concrete sidewalks.

> Richmond, Va.—City opens bids July 14 for laying granolithic sidewalks.

Richmond, Tex .- Fort Bend county engaged engineer for Road District No. 1. which has issued \$150,000 of bonds for constructing hard-surfaced roads. Principal road will be 30 miles long and be part of highway between New Orleans and in announcing that we hope to start oper-Mexico and Houston and San Antonio. Reports state several hundred thousand dollars will be available for this road

Suffolk Va Lakeside Park Cornera-

Tampa, Fla.-Hillsboro county will onstruct hard surface on three-mile road to property of Tampa Bay Land Co., and this company will construct hard-surface

road through its property.

Taylor, Tex.—City will pave Main eet; plans prepared by city engineer.

Taylor, Tex.-Williamson county will nstruct rock gravel or macadam roads in Road District No. 4.

Victoria, Tex.-City will advertise for bids to lay cement sidewalks; estimated cost \$3000.

Georgia Public Roads.

In furtherance of the campaign for improved highways, State Geologist S. W. McCallie of Georgia has issued a second report on the public roads of the State dealing in some detail with the road-building materials and the methods of road construction. His report gives in statistical form data by counties collected by the State Geological Survey in co-operation with the State Prison Commission. The figures show that the estimated public road mileage of the State of Georgia in 1909 was 82,182. Of this mileage, 554 miles were surfaced with stone and 56 with shells, 502 miles with chert and gravel and 3421 miles with sand-clay mixture. In addition to these more highly-improved roads, there were also reported 13,156 miles of road which had been put in order by the use of the road machines, drags, etc. Omitting the 13,156 miles of roads which have been only partially improved, we still have a total of 4533 miles of road surfaced with stone, shells, gravel, chert and sand-clay mixture, which constitutes

Of the 146 counties of the State, 107 employ convicts and 39 use statute or hired labor, the total number of convicts em-

The expenditures on public roads and bridges in 1909 were \$1,437,652 property tax, 8558,328 commutation tax and \$61,-000 bond issue, a total cash expenditure of \$2,056,980. To this sum should be added \$450,000, the estimated money value of the statute and the free labor employed in the State on the public roads. This makes the grand total for all road expenses for the year \$2,506,980. In comparing the total road mileage of the State with the total estimated road expenditures it will be seen that each mile of public road cost last year \$30,51, or \$1.08 per inhabitant based on the census of 1900.

A \$150,000 Implement Plant.

The Senn Pressed Steel & Hoe Co. of Birmingham, Ala., has organized with a capital stock of \$150,000 to build a plant for manufacturing hoes and other implements. Its president is Edward Senn of Egg Harbor, N. J., and its secretary-treasurer is A. M. Wallace of Birmingham. Referring to this enterprise, Mr. Wallace is quoted as follows:

Birmingham has its future in the smaller industries that are locating here and which will consume moderate tonnages of iron. The cheap price of the raw materials here makes it decidedly advantageous for any iron or steel consuming plant to locate, and that was the most influencing point that brought the Senn Pressed Steel & Hoe Co, to Birmingham. We have arranged for a plant in East. Birmingham and hope to start operations within a few weeks. We have quietly arranged the matter, and, while a few details are incomplete, we feel warranted ations shortly. Our output will be about 4000 hoes per day, and we will have other implements to manufacture which will increase this production. The plant will be modernly equipped, and we will have about 50 men at the first in our employ."

In the past six months permits for 485 new buildings, representing \$862,501, were issued at Little Rock, Ark., an increase of more than \$2000 over the same period in 1909, or more than \$360,000 over the same period in 1905.

From the Chattanooga (Tenn.) district were shipped this year 279,663 crates of strawberries, valued at \$489,410, an increase of 82,393 crates over last year and an increase in value of \$144.187.

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RAILROADS

[A complete record of all new railroad building in the South will be found in the Construction Department.]

SANTA FE'S BIG CUT-OFF.

Some Construction Cost \$125,000 Per Mile-Work Nearing Completion.

The Santa Fe system is engaged in se heavy construction on its line from Coleman to Lubbock, Tex., which when completed will give a short route between the Pacific Ocean and the Gulf of Mexico. At point at about 30 miles southeast of Lubbock for a distance of about three miles there are cuts and fills varying from GO to SO feet deep, and the cost of construction at this point will average about \$125,000 per mile, or a total of \$375,000 or \$400,000. This is where the line rises from the lower country up to the "cap rock" or plains.

The grading from Coleman to Lubbock is approaching completion, about 95 per cent, of it being done. Out of Coleman northwest track has been laid for about 22 miles in the direction of Lubbock, and from Lubbock about 25 miles have been laid southeast toward Coleman. maximum grade on this extension is sixtenths of 1 per cent.

From a point 15 miles southeast of Lubbock the company is building a branch southward through Tahoka to Lamesa Tex., about 55 miles, and it is rumored that the San Angelo line, which is being extended northwest to Sterling City, will be connected up with this branch, but no confirmation has been given of this.

To make ready for handling traffic as a result of building this new through route the Santa Fe is reconstructing its line between Galveston and Coleman, or more particularly between Temple and Coleman. Traffic between Galveston and San Francisco will then pass over the line, connecting Galveston, Temple, Coleman, Lubbock and Plainview to Canyon City, where connection is made with the main line, but it is proposed to build across from Lubbock to Texico, 90 miles, which would make a shorter route than from Lubbock to Canyon City, and thus direct between Galveston and San Francisco. Construction on this part of the road, it appears, has not yet been started, although the short line will doubtless be built.

The construction of this cut-off line required the building of over 300 miles of new track from Canyon City southeast to Coleman. At present about half has been laid, so that there is now a little more than 150 miles of track to be built, and, as the grading is so well advanced, it appears probable that early completion of the route may be anticipated.

The Santa Fe is pushing work well on its plans. At the beginning of the year, while it was announced that the Coleman and Lubbock line would be completed. there were also mentioned as proposed the line to Lamesa and the line to Sterling City, besides that from Lubbock to Texico. Two of these projected lines, as above noted, are already under construction, and it may not be long before the Texico route is also built.

New Equipment, Rails, Etc.

The Baltimore & Ohio Railroad Co. has ordered from the Cambria Steel Co., Cambria, Pa., 1000 steel coke cars: from the Pressed Steel Car Co. of Pittsburg 1000 Steel Car Co. of Pittsburg 2000 steel underframe box cars, but the latter will be built at the steel company's Maryland plant, situated at Curtis Bay, near Balti-The railroad will also purchase 1000 gondola cars. It has ordered 50 Seven hundred and thirty-seven miles of Mikado type locomotives from the Bald- road have been finished, which, with the tle Rock. Already about \$10,000 have charter recently granted to it to build 31

coke cars are of 100,000 pounds capacity. The gondolas will also be 50-ton cars. It long, and will have doors sufficiently large to permit of carrying automobiles.

The St. Louis & San Francisco Railroad is reported to have purchased 12 motor cars to be used on several of its lines.

The Texas Oil Co. has filed a contract at Austin, Tex., covering the purchase of 200 tank cars.

The Georgia Railroad, which has begun the construction of 100 cars at its Augusta (Ga.) shops, will, it is stated, build at least 100 more freight cars when this number has been completed. The box cars, 65 in number, are 36 feet long and of 60,-000 pounds capacity: the coal cars, 25 in number, are of the gondola type, and 50 tons capacity: the passenger cars, 10 in number, are combination passenger and baggage cars.

The Jacksonville Electric Co., Jacksonville, Fla., is having built by the Cincin-(O.) Car Co. 10 pay-as-you-enter nati cars, which will be delivered in September.

The Atlantic Coast Line, says a market report, has ordered from the Baldwin Works six consolidation locomotives, and the Nashville, Chattanooga & St. Louis Railway has ordered 10 of the same type ment has been entered into with the Chifrom the same builders.

The Galveston & Houston Interurban Railway will, it is reported, soon award contracts for 10 passenger coaches, 2 express cars, a work car and an electric locomotive.

The Baltimore & Ohio Railroad is reported in the market for 30 Mallet compound locomotives.

The New Orleans, Mobile & Chicago Railroad, says a report from Mobile, has ordered 100 box cars and 50 gondola cars from the American Car & Foundry Co., St. Louis.

The Carolina, Clinchfield & Ohio Railway, says a market report, has received prices on 100 stock cars, besides on the 250 box cars previously reported.

The San Antonio & Aransas Pass Railway is reported to have placed contracts for 11,000 tons of rails.

A dispatch from Austin, Tex., says that the Rock Island has filed an equipment contract covering 36 locomotives, 11 passenger cars, 5 combination cars, 375 box ears, 150 stock cars and 75 coal cars.

PROGRESS ON THE "ORIENT."

Official Statements Show Much Work Done and Anticipate Early Completion.

In connection with the recent sale of bonds in London by the Kansas City, Mexico & Orient Railway there were published extracts from letters of President A. E. Stilwell and E. Dickinson, vice-president and general manager, both dated in June, and from these communications the following statements are quoted:

"The railway will, when in full operation, extend from Kansas City, Mo., to Topolobampo, Mex., 1659 miles, and from Kansas City via San Angelo to Del Rio, on the Rio Grande River, 160 miles, in all 1819 miles, of which 139 miles are the subject of lease or traffic agreements. The construction companies have already exsources \$15,000,000 gold and a further \$7,000,000 derived from the sale of bonds of the railway, making a total of \$22,000,shareholders, they have contracted to provide interest on the bonds now offered for sale and the other bonds of the company now held by the public up to and including the coupon falling due August 1, 1912.

are of 80,000 pounds capacity, and the ment, make 876 of system now in opera-

"With funds provided by the present sale is stated that the box cars will be extra of bonds, sale of town sites, the subsidies earned from the Mexican Government and other resources of the construction companies, it is calculated that the line can be completed to Del Rio and Chihuahua well within two years from date. An important through system will thus be completed east and west in Mexico, and much aluable through business will accru

> "One year after Del Rio and Chihuahua are reached the line should be finished throughout to Topolobampo, the splendid harbor conceded to the railway by the Mexican Government. The Sierra Madre Mountains have already been pierced by the railway, and trains are running over the divide at a height of 8152 feet above sea level, with no heavier grade than 21/2 per cent, and practically no snow, and therefore with no need for snow sheds.

"As a completed system to Del Rio and Chihuahua, we estimate that the net earnings of the road should be over \$2000 per mile, or more than twice the amount requisite to pay interest on all bonds, which it is calculated will be then issued under the mortgage on the main line.

"A highly advantageous working agree cago & Alton Railroad Co. for the mutual handling of through traffic between cago and the Pacific coast and the Republie of Mexico."

Galveston-Houston Electric Road.

The contractors on the Galveston-Houston Electric Interurban Railway have completed about one-third of the grading. according to a report from Houston, Tex. The North American Dredging Co., which has a contract at Galveston Island, has finished a fill of about 100,000 cubic yards by hydraulic process. At the island end of the causeway a fill about half mile long is well advanced. The J. C. Kelso Contracting Co., which has the contract on 16 miles from the causeway to Clear Creek, has completed a fill of 60,000 cubic yards and is working on six miles of line, upon which 30 per cent, is completed and ready for the track. On the next section of 19 miles from Clear Creek to Bray's Bayou, near Harrisburg, the work is advanced in an equal degree. The contractors are Harty & Ford, and they have completed about 56,000 cubic yards. They are also working on six miles of road with

The company has received 70,000 creosoted ties, and nearly 5700 tons of rail have been ordered, as previously noted. A locomotive crane of 15 tons has been purchased from the Browning Engineering Corporation of Cleveland, O. Many miles of fencing have also been bought, and this is being erected as rapidly as the posts can be planted. Considerable bridge material has arrived, and the bridge over Dickinson Bayou, 350 feet long and built of piles, is almost completed. Another bridge over Clear Creek Bayou will be 600 feet long. The company will purchase rolling stock within a month.

Electric Railroad Projected.

H. Dalhoff of Little Rock, Ark., has pended on the railway out of their own remade a proposition to the Business League of Hot Springs, in that State, to build a railroad 15 miles long from Hot Springs westward to a point on the Ouachita steel coke cars, and from the Standard 000. With a proprietary of about 3000 River, where a dam will be erected. A committee has been appointed to secure subscriptions amounting to \$35,000 to aid the construction of the railroad. The construction of the dam is to develop waterpower for producing electricity for light and power service in Hot Springs and Lit- has organized in West Virginia under the

win Works, Philadelphia. The box cars 139 miles held under lease or traffic agree-been spent for surveys and preliminary work, and it is estimated that the railroad and its equipment will cost about \$225,000. Later it is contemplated to extend the line northeast to Mountain Valley, Ark.

That Road to Texas Iron Ore.

The report that the Gulf, Colorado & Santa Fe Railway had begun work on a contemplated extension from Longview, Tex., about 50 miles, to iron-ore fields in Cass county was an error, according to later advices from Galveston, which say that about July 20 the first steps will be taken toward construction of the line. Col. L. P. Featherstone, president of the Gulf & Interstate Railway, which is operated by the Santa Fe, is quoted as saying that preliminary survey will begin on the date named.

As previously reported, the railroad is for the purpose of getting out iron ore in which Chas, M. Schwab, president of the Bethlehem Steel Works of Bethlehem, Pa., became interested last summer, and which it is proposed to transport to Galveston or some other seaport for shipment to the works. It may be that an iron furnace will be established at or near Galveston or some other suitable point in Texas to convert the ore into pig-iron before shipment.

It is reported that Mr. Schwab has options on about 16,000 acres of the iron-ore lands, and Colonel Featherstone is also said to be interested in that territory.

Long Extensions Proposed.

The Memphis, Dallas & Gulf Railroad Co., says a dispatch from Little Rock, Ark., has amended its articles of incorporation to increase the capital from \$645,-000 to \$7,875,000 and to provide for building its proposed extension from Murfreesboro, Ark., to Memphis, Tenn., or to a point on the Mississippi opposite Memphis via Arkadelphia, Dalark, Carthage, Pine Bluff, De Witt, St. Charles, Helena and Hopefield, Ark., 255 miles; also for an extension in the opposite direction from Ashdown, Ark., to a point on the Red River opposite Shaws, Tex., 18 miles. The latter, will, however, continue to Dallas, Tex.

At present the main line is 42 miles long, and it is proposed to build, according to the above announcement, 273 miles of new road, all in Arkansas. The larger bridges required will be over the Antoine, Ouachita, Saline, Arkansas, Lagrue, White and St. Francis rivers. The headquarters of the road are at Nashville, Ark., and W. W. Brown of Camden, Ark. is president of the Company, C. C. Henderson being vice-president and general manager at Nashville.

"Every Day Freight Rules."

Chas. E. Bell of Atlanta, Ga., has compiled an issue of the "Every Day Freight Rules and Traffic Manual," which is applicable to interstate traffic. Mr. Bell is chief clerk of the general freight department of the Southern Railway. He states in precise and simple terms the principles of the law and the rulings of the Interstate Commerce Commission pertaining to various questions arising in connection with the transportation of freight, and the subject-matter is so arranged that it is easy to refer to for information. The use of the book is not confined to any section of the country, but it is applicable to any railroad in the United States. The author has received a number of hearty endorse ments of his work, which appears to already have a wide demand, being of value both railroad men and the shipping

State Line & Southern Organizes.

The State Line & Southern Railway Co.

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miles of railroad from Rivesville along the west bank of the Monongahela River to the Pennsylvania boundary. The coun try is level, but it is not decided yet as to the number of bridges which will be required. The line will be owned by the Pittsburg & Lake Erie Railway, the Pennsylvania Railroad and the Baltimore & Ohio Railroad. The incorporators are S. D. Brady of Parkersburg, W. Va.; H. M. Schrader and R. E. Kerr of Parkersburg. W. Va.; B. M. Langhead of Morgantown, W. Va., and Charles Morris of Fairmont, W. Va. Jos. Wood is president, Mr. Brady vice-president and chief engineer, and Mr Morris secretary and treasurer. Mr. Wood is vice-president of the Pennsylvania lines West at Pittsburg.

Memphis to Lakeview.

The Lakeview Traction Co. of Memphis. Tenn., has so advanced its work that, according to a report from there, service be tween Memphis and Lakeview, about 12 miles, will be established within a month; that is, if the plans of W. W. Hayden, chief engineer, are realized. The track has been laid and ballasted to a point within two miles of Lakeview, and with the completion of this short distance and a steel bridge over Horn Lake Creek the road will be ready. The power-house at Lakeview has been built and the machinery is being installed, while more than half of the overhead work is done. A large station for temporary use will be erected at South Memphis, where connection is made with the Memphis Street Railway. Cars will be operated every hour on the new line

Charleston Consolidated.

The Charleston Consolidated Railway, Gas & Electric Co. of Charleston, S. C. which on June 21 leased its property and franchises to the Charleston Consolidated Railway & Lighting Co. for 99 years, has in the lease a guarantee of rentals sufficient to pay dividends on the stock and also the interest on the outstanding bonds, The lessee (the Charleston Consolidated Railway & Light Co.) is capitalized at \$2,000,000, consisting of \$500,000 of preferred stock and \$1,500,000 of cor stock. The officers are P. H. Gadsden. president; Walton Clark and G. H. Waring, vice-presidents; W. F. Douthirt, secretary; Lewis Lillie, treasurer; C. M. Benediet, James Ball, assistant secretary and treasurer: G. II. Waring, general manager.

Railroad Notes.

The St. Louis & San Francisco Railroad, according to a report from Sapulpa, Okla., will enlarge its shops there and will also erect a roundhouse of 32 stalls

The Seaboard Air Line reports for the fiscal year ended June 30 gross earnings \$20,017,846, increase as compared with the next preceding year \$2,383,349, or over 131/2 per cent. These figures, it is said, do not include the surplus of the Baltimore Steam Packet Co.

A dispatch from Piedmont, W. Va., says that Dr. T. A. Cross has bought the rails, material and tools of the street-railway company which began the construction of a line on Fairview street, and it is rumored that the line will be put in service with gasoline motor cars.

Chas. F. Gladfelter has been appointed receiver for the Washington, Berwyn & Laurel Electric Railway in Maryland, the line being 10 miles long from Laurel to Berwyn, where it connects with the City & Suburban Railway of Washington, D. C., which operates it.

The Waccamaw Transportation Co. of Another Consolidation Development. Georgetown, S. C., has been chartered with Springs, president and manager; St. J. to be expended at Hutchinson.

M. Lachicotte, vice-president, and J. I. Hazard, secretary and treasurer.

A dispatch from Quanah, Tex., says that the town of Matador, in Motley county, has offered a bonus of \$100,000 to secure the Quanah, Acme & Pacific Railway, and that this bonus is exceptionally large considering the population of the town, about 350 people. It appears, however, that the Matador Land, Cattle & Investment Co. is interested.

The Chesapeake & Ohio Railway has prepared plans for its new shops near Richmond, but these architects' drawings will not be approved until President G. W. Stevens returns from Europe, which he is expected to do about Aunest 6. Recently the company bought 300 acres of land below Fulton, and it is there that the new buildings will be erected.

The Chesapeake & Ohio Railway Co., through an officer, confirms the report that it has filed maps for the Meadow River extension of the Gaulev branch, from a point near Twenty-mile Creek up Meadow River to the county line between Nicholas and Greenbrier counties, West Virginia, a distance of about 611/2 miles. However, no work is contemplated on this line at present.

A dispatch from Frostburg, Md., says that the contractors on the Western Maryland extension are pushing work rapidly. Four steam shovels are at work near there at two camps, besides 12 small locomotives and a large number of dirt cars. At another camp still another steam shovel is at work. The construction at this point is heavy, and will require a long time to com-

MINING

Davy-Pocahontas Coal Co. Plans.

Recently the MANUFACTURERS' RECORD reported the incorporation of the Davy-Pocahontas Coal Co. of Welch, W. Va., the capital stock being \$500,000. This company has organized and the following officers have been elected: President, Walter L. Taylor; vice-president, R. E. Wood, both of the R. E. Wood Lumber Co., Baltimore; secretary-treasurer, J. Albert Hughes, vice-president of the Third National Bank of Baltimore, Mr. Taylor states that the company has purchased 3400 acres of McDowell county land, containing the Pocahontas smokeless coal. and decided on immediate developments It is planned to have a daily output of 1000 tons of coal and increase to 3000 tons in the future. About \$125,000 will be the initial investment for the installation of mining machinery, the erection of tipples, the construction of an electric plant to furnish power and light, the building of miners' dwellings, etc. No contracts have been awarded, and proposals will not be considered until a superintendent has been engaged, as this officer will be in charge of purchases. The company's main offices are in the First National Bank Building, Welch, and its Baltimore offices are at 609 Continental Trust Building.

Kanawha Valley Coal.

Coal shipments from the Kanawha Valley fields for June amounted to 753,090 tons by rail and 66,170 tons by river. As compared with shipments for June, 1909, these figures show an increase of approximately 300,000 tons. The mines are said to have been in operation but about twothirds of the time.

The Consolidation Coal Co. of Baltimore \$10,000 capital to conduct a general trans- is understood to be planning another develportation business. The officers are A. A. opment in West Virginia, about \$250,000 cluding railroad assessments, is \$80.394.

LUMBER

[A complete record of new mills and building operations in the South will be found in the Construction Department.]

Big Timber Deal in Texas.

In connection with the reported purchase of extensive timber lands in Texas. by the Miller-Vidor Lumber Co., main offices at Galveston, the company telegraphs the Manufacturers' Record as follows

"We have concluded the purchase of about 40,000 acres of timber (from William Wiess of Beaumont), situated in Orange and Jasper counties. The approximate value is \$50 per acre. The timber is estimated at 350,000,000 feet of nine. and some hardwoods. This purchase rounds out our timber holdings for plant at Beaumont, which we have owned and operated for years, being one of the largest and most modern in the South, representing an investment of amout \$500,000 in plant and railroad. We do not contemplate additional mills."

Extensive Timber Purchase.

An important timber deal is announced in reports from Bluefield, W. Va., which state that A. D. Harrah, J. J. Melton and ssociates of Charleston, W. Va., have purchased the holdings of the Carr Lumber Co. at Springton. These properties include a circular sawmill of 20,000 feet daily capacity, logging road and three locomotives. loading machine and 4000 acres of stumpage. In addition Mr. Harrah recently purchased 4500 acres of stumpage on Camp Creek, and it is understood that a company will be organized to develop the tim-It is intended to install at once a band mill of 40,000 feet daily capacity. equipped with modern machinery,

Fernandina's Shipments.

Shipments of lumber and other comnodities from Fernandina during June were valued at \$1,239,499. These included 10.802.500 feet of lumber shipped coastwise, valued at \$318,075; 1,574,724 feet of lumber shipped foreign, valued at \$47,232; 26,867 tons of phosphate, valued at \$268,- $670\,;\,528{,}430$ gallons of turpentine, valued at \$367,058; 39,194 barrels of rosin. valued at \$235,164, and 3000 pounds of palmetto leaves, valued at \$300.

Important Deal in Louisiana.

Confirming a report from Leesville, La., to the eeffct that it has purchased extensive timber lands in the vicinity of Leesville, the Central Coal & Coke Co., Keith & Perry Building, Kansas City, Mo., telegraphs the Manufacturers' Record that it has acquired approximately 30,000 acres and expects to haul the timber to and manufacture it at its mill at Neame, La. The purchase price was reported at about \$65 per acre.

Lumber Notes.

According to the annual report of the building inspector of Birmingham, the value of building operations in that city for the fiscal year ended June 30 amounted to \$3.013.927.

The British steamer Zamora cleared from Gulfport, Miss., last week with 2,800,000 feet of sawn timber, valued at \$73,245.36. It was loaded by the Standard Export Lumber Co.

George A. Booser, Corning, Ark., is reported to have closed a contract with the Bayless Manufacturing Co. of Corning to handle 13,000,000 feet of logs to be shipped from Corning to Black River. Mr. Booser operates an extensive stave plant.

Assessed values of real estate and personal property in Memphis, Tenn., not in-

TEXTILES

[A complete record of new textile enterprises in the South will be found in the Construction Department.]

Correspondence relating to textile matters, especially to the cotton-mill interests of the South, and items of news about new mills or enlargements, special contracts for goods, market conditions, etc., are invited by the MANUFACTURERS' RECORD. We shall be glad to have such matters at all times, and als have any general discussion relating to cotton matters.

The Vass Cotton Mill.

The Vass (N. C.) Cotton Mills Co. has arranged to equip its plant, for which buildings (main structure, four cotton warehouses and operatives' dwellings) were completed some time ago. It has purchased the machinery from the Whitin Machine Works of Whitinsville, Mass., through Engineer Stuart W. Cramer of Charlotte, N. C. The equipment will include 5000 spindles operated by electricity. and the weekly output will be about 7000 pounds of 30s to 45s fine yarns on cones, tubes and skeins. About 75 operatives will be employed, and the plant is to be complete by November. The Vass company has an authorized capital of \$200,-000, and \$75,000 has been subscribed. Angus Cameron is president and Walter B. Bell is secretary-treasurer.

The Chesnee Mills.

The Chesnee (S. C.) Mills has been organized with \$400,000 capital stock to build a plant for manufacturing fine W. E. Burnett is president-treaslawns. urer and J. N. Cudd is vice-president-general manager, both of Spartanburg, S. C. Jos. E. Sirrine of Greenville, S. C., is the engineer in charge, and has prepared the plans and specifications. The company's directors are Messrs, Burnett, Cudd, R. K. Carson J. B. Cleveland and J. F. Cleveland of Spartanburg, T. E. Moore of Tucapau, S. C.; Robert Ream and J. B. Ryan of New York. Mr. Burnett was mentioned previously as planning a mill for

The Connemara Mill.

The Connemara Cotton Mill Co. of Laurens. S. C., will be incorporated with a canital stock of \$400,000 by J. Adger Smyth, Jr., W. L. Gray, O. B. Simmons, W. H. Dial, H. K. Aiken and R. A. Cooper. Details of organization and plant will be decided soon.

Will Spin Hosiery Yarns.

The Priscilla Mill of Meridian, Miss. has increased capital stock from \$60,000 to \$200,000 for the purpose of building a mill to spin the varns for its hosiery plant, This company was mentioned lately as to increase its capital.

The Sherman Mill.

The Sherman (Tex.) Cotton Mill has been incorporated with \$100,000 capital stock by N. B. Birge, Thomas Forbes, W. W. Birge and M. C. Dorset.

Textile Notes.

E. B. Rice, Jr., of Belton, S. C., will install an equipment for the manufacture of towels and doilies. He has purchased the machinery.

C. H. Bencini and W. G. Burton of Fort Worth, Tex., are interested in a plan to organize a \$250,000 cotton-mill company.

W. G. Perry of Greenville, S. C., has submitted a proposition to M. L. Alexander of Ardmore, Okla., for the organization of the Ardmore cotton-mill company mentioned lately. A \$200,000 corporation is proposed.

W. C. Heath, president of the Nolichucky Power Corporation, Monroe, N.

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C., advises the Manufacturers' Record that no details have been arranged for building the Erwin (Tenn.) cotton mill, previously mentioned.

The E. B. R. Weave Shed of Belton, S. C., has been established by E. B. Rice, Jr. It is equipped with 10 looms, electrical erator, etc., for a daily output of 640 Turkish towels and 32 dozen doilies.

The New England Hosiery Factory will probably be the name of the plant lately reported as to be established at Osage. Okla. Browne Corneilson, Security Bldg., Oklahoma City, can be addressed.

John T. Woodside and J. D. Woodside of Greenville, S. C., plan the organization of a \$200,000 company to build a cotton at Fountain Inn, S. C.

The Cuero (Tex.) Cotton Mill plans rerganization and doubling its capacity. This plant now has 5000 spindles and 160

The Standard Knitting Mill of Knoxville, Tenn., is reported as to build an additional plant. It now has 30 knitting machines, 136 sewing machines, etc.

D. N. Harvey of Monticello, Ga., is understood to be interested in a plan for organizing a company to build a cotton mill.

Carolina Crushers.

The cottonseed crushers of the two Carolinas had a joint session last week at Wrightsville Beach, N. C. The North Carolinians elected Messrs. C. L. Ives. Newbern, president; J. C. Barbourn, Clayton, vice-president; F. C. Dunn, Kinston, treasurer; P. Boney, Goldsboro, secretary The South Carolinians elected Messrs, F. S. Evans, Greenwood, president; J. N. Lipscomb, Gaffney, vice-president; B. F. Taylor, Columbia, secretary and treasurer.

Appalachian Exposition.

The main building for the Appalachian Exposition at Knoxville September 12-October 12 was dedicated last week, when addresses were made by Judge H. B. Lindsay, Capt. William Rule, Col. George F. Milton, Mrs, Herbert Hall, President William J. Oliver and Sandford H. Cohen. The building, of colonial type, and costing about \$50,000, is 400x150 feet, and contains 80,000 square feet of exhibit space.

Fertilizer Factory for Chester.

It is announced that Swift & Co., Chicago, have awarded contract to J. R. Hamrick of Chester, S. C., for the erection of their proposed fertilizer-mixing plant at Chester. The main structure will be of brick, two stories high, 200x97 feet; the foundations and first floor to be of concrete. Construction will begin at once, and it is expected to have the plant ready for operation by the fall.

Shipments from Tampa.

During the fiscal year ended June 30 shipments of phosphate from the Seaboard Air Line and Atlantic Coast Line terminals at Port Tampa, Fla., amounted to 985,827 tons, an increase of 1275 tons as compared with shipments during the fiscal year of 1909.

The Newport News Shipbuilding & Dry-Dock Co. has been given a contract for two ships for a company operating between New York and Porto Rico to cost about \$1.500,000.

The Spruce Lumber Co. of Cass, W. Va., has entered upon a policy of resetting its cut-over lands with spruce, which are expected to become merchantable within half a century.

Texas has been in the commercial peachgrowing business but a comparatively short while, but it is estimated that this year's crop of Elbertas will be worth \$1,000,000.

MECHANICAL

Hall-Fate-Drennan Gasoline Locomotive.

Two accompanying views represent a ew departure in locomotives adapted for hauling trailers and conveying passengers and freight, and for industrial work around tion of controlling the motor. manufacturing plants. The power plant in a Hall-Fate-Drennan No. 14 industrial locomotive (the type herewith) is derived from a 50-horse-power four-cylinder gasoline motor, four-cycle type, built especially for the Plymouth (O.) Motor Truck Co. by the Waukesha (Wis.) Motor Co.

without changing the direction of rotation of the gasoline motor, the gasoline motor revolving at all times in the same direction. Besides having the number of speed changes at command, obtainable through this type of transmission, the driver can also take advantage of the throttling ac-

This result has been arrived at after four years of experimental and practical work before the same has been placed befor the public.

The illustrations are of the No. 14, or smallest type, locomotive.

In interurban passenger service the use cups sufficient for several days' running.

ing a reverse movement of the locomotive upon which they operate. The cost of replacing these wearing surfaces is only \$12 for a 50-horse-power No. 14 locomotive, The action is very smooth, producing no sudden jerk, but a powerful torque with a slight slipping action, until they produce a positive driving action.

> The friction transmission as used in this locomotive has been used with eminent success in Plymouth trucks of many different capacities for the past four years. All bearings are of the roller type, even to the main journal bearings of the locomotive, the latter being self-lubricating, the former being lubricated by large grease



HALL-FATE-DRENNAN GASOLINE LOCOMOTIVE USED INDUSTRIALLY.

en this locomotive work is the ease with which it starts a train of 16 to 30 industrial cars. This is accomplished through the introduction of the Plymouth double variable speed friction transmission, so well known in Plymouth commercial power-driven trucks, and being especially designed for the locomotive. It has proven to be more practical than that of any other type of transmission for transmitting the power from the motor to the drivers, giving a large range of variable reductions from the motor to the drivers, so essential of the extreme simplicity of the locomoin starting a train of cars. In starting a train the driver by a simple shifting of the lever increases the reduction between the motor and the drivers at will, having a range of from 35 to 1 at the lowest speed.

The feature that appeals to all who have of this locomotive offers the advantage of doing away with the overhead trolley wires, central power station, etc., and offsets the delay caused by trouble at the power plant when no current is obtainable Upon lines that carry freight the advantage of an independent unit power system is apparent, as the locomotives which are used during the day for hauling passenger trailers may be used at night for hauling freight and for construction and repair work upon the roadbed.

The cost of maintenance is low, because tive, consisting, as it does, simply of transmission and gasoline motor. The transmission itself is composed of two large friction discs and two friction wheels, which derive their power from the discs. The gasoline tank is in the cab, and is of large capacity. The locomotive is equipped with efficient cantilever type brake of the most powerful construction, and with large sand box. It is built with coupling bars, gauge of track, weight, etc., to accomm date purchasers' requirements,

The designing of this locomotive was brought about through the demands upon the Plymouth (O.) Motor Truck Co. for its trucks equipped with flanged wheels for such work as above outlined, also by the demands upon the J. D. Fate Company for small gasoline-driven industrial locome tives for the haulage of clay, shale, etc., at the brick and tile plants which that company has equipped with its brick and tile machinery. The Plymouth and Fate plants being owned and controlled by the same stockholders, although two distinct companies, the above demands resulted in their engineer, A. W. Hall, designing the locomotive, and after thorough and exhaustive tests it has been placed on the market. Being endorsed by the J. D. Fate Company, which is introducing it to the public, this locomotive doubtless embodies the efficiency claimed.

Further information will be furnished by the J. D. Fate Company or the Plymouth Motor Truck Co., both of Plymouth, Ohio.



Included in the important part of the equipment of a machine shop, and convenient for use elsewhere, is a chain hoist. The design and manufacture of such devices is a specialty with the Ford Chain Block Co. of 133 North 2d street, Philadelphia, Pa., and herewith are two illustra-



TRIBLOC

when pushed forward brings the disc in contact with both friction wheels, irrespective of what position they may be in relative to the said disc, either at the outer edge of said disc, at which position they would transmit the highest speed to the drivers, or midway between this point and the center. When at the center, or the nearest point to the center, of the discs they transmit the most power at the low speed. this point being the point at which they receive their highest reduction. The wearing surface of the friction wheels is of a special composition (very easily replaced)

and having an average life of from six

ward or from each other across the face of

the friction discs. The hand lever, con-

trolling the movement of the locomotive,

tions representing the "Tribloc" chain hoist offered by the company. Referring to its product, the company says:

"As the triplex chain block is the best months to a year, according to the grades type for wear and efficiency, our 'Tribloc'



HALL-FATE-DRENNAN GASOLINE LOCOMOTIVE

down to five revolutions of the motor to one. The two friction wheels move radially toof the drivers at the highest speed; thus he is able to utilize a range of reduction anywhere between the above named, graduating it to suit the conditions or grades upon which they are operating, starting the train with a reduction of 35 to 1 and rapidly accelerating the speed by changing the reductions from 35 to 1, 30 to 1, 28 to 1, and so on until he has reached the highest speed. This range of reduction is at command on the reverse speed of the locomotive as well, having the same range both forward and reverse. The forward movement of the locomotive is controlled by a single lever, said lever controlling both forward and reverse movements, a forward movement of this lever producing a forward movement of the locomotive and a backward movement of the lever producand is stronger.

"That many thousands of chain blocks are made of cast iron is proof that castiron chain blocks are good enough for lots of work, but a chain block must do a certain number of foot tons of lifting to pay



TRIBLOC CHAIN HOIST.

for itself. When we offer steel parts where the wear is greatest the number of foot tons that our "Tribloc' chain hoist will lift is greater than other blocks.

"A chain block is cheap or dear, according to its efficiency and the quality of the material of which it is made.

"We use steel in all wearing parts instead of cast iron. This, with drop-forged steel hooks and highest quality of handwelded chain, together with the design of the block, makes the 'Tribloc' chain hoist exceedingly durable.

"We will send any size of our 'Triblocs' on trial, with the privilege of returning to us at our expense if the buyer does not wish to keep it. All parts of our chain blocks are interchangeable, and we can furnish repair parts from stock."

Complete Water-Cooling Plant.

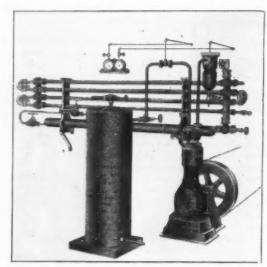
chain hoist will meet all the requirements, compressor is our regular standard comsor, as are also the necessary fittings, double pipe condenser, liquid receiver, gauges, etc. The cooling tank consists of two tanks, one inside of the other, and the space between is thoroughly insulated with cork insulation. This cooling tank is made in different sizes, cooling from 500 to 4000 gallons of water in 10 hours through a range of 20 to 40° F. This cooler is patented and is operated in what is known as the triplex system. There are no coils inside the water-cooling tank, as is generally the case, but the cooling surface is of very large pipes thoroughly tinned throughout. The water passes over a tinned surface, so that by the time the water has passed over this surface it is reduced to a very low temperature-in fact, almost to freezing point.

"When used for bottlers' purposes the water-cooling tank can be placed at any convenient point generally on floor above, so the water can run by gravity to the carborator. When used for drinking-water purposes the water is circulated by means of a pump to the different faucets throughout the building. Each outfit is thoroughly tested in the factory before shipping and is guaranteed by us. The entire apparatus is extremely simple in construction and very effective. One of the principal advantages with this new patented device is that five minutes after starting the plant up you can get as cold water as you desire, and a steady stream of cold water can be taken from the apparatus continually. It can readily be seen that this plant is very advantageous by the water being ready to be used directly after the plant is started.

"We are in a position to make prompt delivery on any size required. We only need to know the amount of water required to be cooled, the inlet temperature and the temperature of the cold water desired. We manufacture all sizes of ice making and refrigerating machinery up to 50 tons daily capacity for all purposes.

American Hoist & Derrick Co.

Recently the Manufacturers' Record illustrated a heavy freight derrick built by the American Hoist & Derrick Co. This company has its main works at St. Paul, Minn. (not at Minneapolis as was stated), and branch offices in various cities, including Chicago, New York, Pitts-An accompanying illustration presents burg, New Orleans and San Francisco. a view of a complete water-cooling plant. Its plant is fully equipped for designing for bottlers' use and for drinking water, and constructing standard "American"



COMPLETE WATER-COOLING PLANT

Baker Ice Machine Co. of Omaha, Neb. may be needed by users. The company The company says:

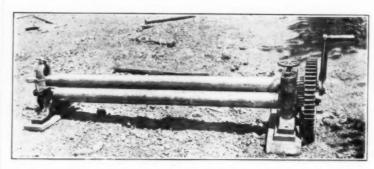
the exception of the power. The ammonia of wooden construction.

This equipment is manufactured by the derricks and for building special types that offers every style of contractors' derricks "The cut shows a complete outfit, every- and engines, and states that its steel guy thing necessary for cooling water, with derricks are more economical than those

Anderson Slip Roll Former.

illustrated herewith. This machine is for cuit.

a 25-cycle circuit. This motor has a maxi-Metal workers are invited to investigate | mum speed of over 4000 revolutions per the merits of the Anderson slip roll former minute on this or any other 110-volt cir-



ANDERSON SLIP ROLL FORMER.

forming smokestack and bending sheet form 10 gauge and lighter up to 48 inches wide, and is back-geared to make it easy to form heavy sheets. The top roll is provided with a slip bearing to allow a com-

Another unusual characteristic of the metal for other purposes. It is offered to motor is that it permits a variation in the speed when operating on alternating current just the same as on direct. The manufacturer claims it is this peculiar feature that renders the motor so satisfactory for forge blower work, as it permits adjustment of speed by means of rheostat to suit the kind of work being done on the forge.

One accompanying view represents blower and motor suitable for a forge already installed. A second view is blower inverted to give short straight blast di-

It is claimed not over one-twenty-fifth of a horse-power is required to serve one



BUFFALO ELECTRIC FORGE BLOWER.

ing over the roll. This machine is a ages about three cents per day. Southern product, being built by the Auderson Machine & Foundry Co. of Ander-

Buffalo Electric Forge Blower.

A unique electric forge blower is the Buffalo Universal illustrated herewith.

Its name is derived from its adaptability, in that the motor is of such design that it will operate efficiently and with equal satisfaction on any 110-volt circuit, either direct or alternating of any frequency.

In adidtion to this distinct advantage, it wanders far from the trodden path heretofore followed by motors operating on alternating current, in that its speed is entirely independent of the number of poles on the motor and the frequency of the current.

With an ordinary alternating-current motor it is impossible to get a speed of more than 1500 revolutions per minute on manufactures the equipment described.

plete circle to be slipped off without spring- medium fire, and the cost of current aver-



BUFFALO ELECTRIC FORGE BLOWER.

The Buffalo Forge Co. of Buffalo, N. Y.,

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Construction Department

TO OUR READERS!

In order to understand and follow up properly the Construction Department items, please bear in mind the following statements:

EXPLANATORY

The MANUFACTURERS' RECORD seeks to verify every item reported in its Construction Department by a full investigation and tion Department by a full investigation and complete correspondence with everyone interested. But it is often impossible to do this before the item must be printed, or else lose its value as news. In such cases the statements are always made as "rumored" or "reported," and not as positive items of news. If our readers will note these points they will see the necessity of the discrimination, and they will avoid accepting as a certification. tion, and they will avoid accepting as a cer tainty matters that we explicitly state are "reports" or "rumors" only. We are always glad to have our attention called to any errors that may occur.

In correspondence relating to matters reported in this paper, it will be of advantage to all concerned if it is stated that the in-formation was gained from the MANUFAC-TURERS' RECORD.

ADDRESS FULLY

To insure prompt delivery of communica-tions about items reported in these columns, the name of one or more incorporators of a newly incorporated enterprise should be shown on the letter addressed to that town or to the town of the individual sought, as may be shown in the item, as sometimes a communication merely addressed in the cor-porate or official name of a newly established company or enterprise cannot be delivered by the postmaster. This will help to insure prompt delivery of your communication, although it is inevitable that some failures on the part of the postal authorities to de liver mail to new o oncerns will occur

WRITE DIRECTLY

It is suggested to advertisers and readers that in communicating with individuals and firms reported in these columns, a letter written specifically about the matter re-ported is likely to receive quicker and surer attention than a mere circular.

The Daily Bulletin of the Manufac-The Daily Bulletin of the Manufac-turers' Record is published every business day in the year for the pur-pose of giving the earliest possible news in regard to new industrial, railroad and financial enterprises organized in the South. It is invalu-able to contractors, manufacturers, engineers and all others who want to get in touch at the enricest moment with new undertakings or the en-largement of established enterprises. The subscription price is \$25 a year All advertising contracts in the Manufacturers' Record extending over a period of three months in-elude a subscription for the length of time of the contract to the Daily

BRIDGES, CULVERTS, VIADUCTS

Fla., Tampa.—Hillsboro county awarded contract to Roanoke (Va.) Bridge Co. to construct two bridges; at \$9650 for structure across Six-mile Creek, 325 feet long, draw span of 50 feet, constructed of solid steel, with cement foundations and buttresses; at \$1350 for bridge over Curlew Creek, 76 feet long, of solid steel.

Fig., West Palm Beach.—Palm Beach County Commissioners awarded contract to Champion Bridge Co., Wilmington, O., at \$19,500 to construct bridge across Loxahatchee River at Jupiter: to George H. Crofts & Co. of West Palm Beach at \$1500 for bridge across canal at Boynton. (Recently mentioned.) canal at Boynton. (Recently mentioned.)

Ky., Russell.-Chesapeake & Ohio Railway F. I. Cabell, engineer maintenance of way. Richmond, Va., and Chelmatt. Hamilton & Dayton Railway, F. H. Alfred, chief engi-neer, Cincinnatt, O., are considering, it is reported, construction of bridge over Ohio river between Ironton, O., and Russell,

Md., Baltimore.—Northern Central Rail-way Co. awarded contract to Brann & Stuart for renewing Maryland Ave. bridge and construction is now progressing; work under direction of A. C. Shand, chief engineer of Pennsylvania Railroaction, Philadelphia, Pa. Railroad, Broad Street Sta-

Md., Baltimore.—Harbor Board approved plans for concrete and steel bridge to be built

neross Jones' Falls at Pratt St.; one span of 93 feet; plans by O. F. Lackey, Harbor Engi-neer. (Previously mentioned.)

Md., Bultimore.—City will construct bridge across Poplar Grove St.; bils for both sub and superstructure to be opened July 20; Bushrod M. Watts, acting president Commis-sioners for Opening Streets. (See "Machin-cry Wanted.")

Mo., Carthage.-Jasper County Commis ers adopted plans and specifications by Wil-liam Kohiman of Carthage for various bridges throughout county to cost \$55,000. Mr

N. C., Laurinburg,—Road Commission, Stewartsville township, Scotland county, will open bids and plans August 1 (extended time) at office of M. L. John for construction of seven relaforced concrete arch bridges recently noted; two 30-foot span, 16-foot roadway; three 30-foot span, 12-foot readway; two 14-foot span, 12-foot roadway. (See "Machinery Wanted.")

Okla., Fort Sill.-Government awarded con tract to El Paso (Tex.) Bridge Co. to con-struct 150-foot steel bridge across Cache Creek; Capt. David L. Stone, constructing quartermaster. (Recently mentioned.)

Okla., Oklahoma Cltv.-Oklahoma County Commissioners, Park Board and Oklahoma Railway Co, are considering plans for bridge across North Canadian River on Exchange Ave.; structure to be 75 feet wide and 200

Okla., Okemah.-Okfuskee County Commis sioners will receive bids August 8 and let contract August 9 for crection of 25 steel and wooden bridges previously noted; bids to be filed at office of E. Stine, County Clerk. See "Machinery Wanted."

Tenn., Memphis.—City will construct num-ber of culverts and lay large amount of plp-ing; bids to be opened July 19; Ennis M. Douglass, City Clerk. (8ee "Machinery Wanted.")

Tex., Beeville,-Nueces River Valley Rallroad, W. A. Frisby, president, will erect three steel bridges across Nucces River and several wooden bridges across minor streams.

Tex., El Paso,-City Engineer has completed plans for three viaducts over railroad tracks; reinforced concrete; total cost about

Tex., Weatherford.—Parker County Com-dissioners awarded contract to J. J. Johnson of Weatherford to construct four bridges : three 100-foot structures, 50-foot span and 50-foot approach; fourth, 50-foot span and 60-foot approach.

Va., Courtland.-Southampton and Greville counties will construct bridge across Meberrin River. Address Supervisors of Southampton County at Courtland, or of Greenesville county at Emporia, Va.

CANNING AND PACKING PLANTS

Ala., Cuba.-Henry McDonnell of Huntscannery; capacity 10,000 cans daily; cost

equipment in packing plant, including washing, drying and packing machinery.

Md., Baltimore—Fruit Jars.—Edward D. Schmitt, 1890 North Ashburton St.; W. B. Thomas and W. Frank Thomas propose estab-lishment of plant to manufacture glass fruit

will establish plant; W. J. Stevenson may be addressed. (See "Machinery Wanted.")

8, C., Georgetown,-Georgetown Gin & Canning Co. incorporated: H. B. Springs, president. (See "Cotton Compresses and

Tex., Wichita Falls.—United States Packing Co., 22 Flifth Ave., Chicago, Ill., is having plans prepared by D. J. Davis & Co., 315 Dearborn St., Chicago, for plant recently noted; mainly reinforced concrete construction; estimated cost \$200,000 to \$350,000; probably ready to take bids about August 15; work and heaf cooler. pork and beef cooler S0x128 feet, six stories; manufacturing building 61x96 feet, six stories; smokers; three railroad tracks to parallel these three structures; other buildings will be 40x80-foot ice tank, 32x48-foot ice storage, 50x50-foot regine-room and 50x50-foot boffer-room, latter to be connected with track by pipe tunnel; six-story abattoir, 80x80 feet; driving alleys; non-edible tank, 32x64 feet; 64x112-foot ferof these buildings; stockyards on opposi-side; office building, 32x48 feet, near docks.

Va., Altavista.-Valley Packing Co. in wards, president: E. A. Smith, vice-president; P. H. McGill, secretary.

CLAYWORKING PLANTS

Ala., Sibleyville, P. O. at Birmingham— Bricks.—Sibley-Menge Brick & Coal Co. or-ganized; acquires Sibley-Menge Brick Co. and Sibley Bros. Coal Co.; will enlarge coalmining and brick-manufacturing p. nts and add production of common bricks; John W. Sibley, president, at main office in Brownmarx Bldg. Birmingham, Ala.; W. L. Sibley, manager, at Sibleyville. (See "Coal Mines and Coke Ovens.")

D. C., Washington-Brick,-Siller Brick & Stone Co. incorporated with \$50,000 capital stock; J. H. Cranford, president; Percy Cranford, secretary, both of Cranford Paving Co., 2023 E St. N. W.

Ga., Macon-Bricks.-Jackson Lumber Co will install brick plant of 40,000 daily capacity; machinery ordered.

Ky., Covington-Brick.-Busse Brick Co. ined capital stock from \$25,000 to \$50,00

Miss., Lauderdale-Bricks,-W. A. Lyle will

Mo., Vandalia — Brick, — Mississippi Glass Co., main office, 115 Broadway, New York, is rumored to have purchased 1000 acres of land for brick plant, and 126 acres adjoining, on which will be erected four-story steel, brick and concrete building

Tenn., Kingsport-Brick.-Kingsport Brick Corporation will be name of company re-cently noted organized with \$50,000 capital stock to establish plant; F. E. Mahan, vicepresident; T. G. Williams, treasurer; build-ing plans not completed; machinery pur-chased; daily capacity, 50,000 stiff-mud brick and tiling. (Also recently noted under Va.,

Tex., Granger-Brick,-Fraser-Meyer Brick Co. will rebuild machinery department re-ported burned; loss \$10,000.

Marion-Bricks.-Southwestern pital has placed order for brick machinery of 15,000 daily enpacity

Va., Marion-Bricks,-Marion Extract Co. placed order for brick machine of 25,000

Tex., South Houston—Brick and Tile.— South Houston Brick & Tile Co. incorporated with \$15,000 capital stock by Frank Bowman, E. F. Bowman, H. P. Rhodes and Guy Hahn.

COAL MINES AND COKE OVENS

Ala., Florence.—Alabama Coal Mining Co. Incorporated with \$5000 capital stock; W. D. Moore, president, Memphis, Tenn.; H. J. Moore, secretary-treasurer, Florence.

Ata., Sibleyville, P. O. Birmingham. y-Menge Brick & Coal Co. organized with \$230,000 capital stock to consolidate Sibley Bros. Coal Co. and Sibley-Menge Press Brick Co.; will increase capital stock to \$300,000 to rovide for enlargement and operation of provide for enlargement and operation of plants; output of coal mines will be in-creased; John W. Sibley, president; Joseph A. Menge, vice-president and treasurer, with main office in Brown-Marx Bidg., Birming-ham; W. L. Sibley, secretary and manager;

Ala., Shelby County.-Clay & Joupert, New Otleans, I.a., purchased 1200 acres of coal laud in Shelby county for \$75,980; will de-

Ark., Spadra.—Enterprise Coal Co. has, it reported, acquired coal mines and will con-

tinue operations. Ky., Central City.--W. A. Wickliffe, Green-

Ky., Idamay.-Bastin Coni Co. incorporated with \$25,000 capital stock by Lee Congleton, 8. L. Bastin and W. P. Williams.

Ky., Wasioto.—Asher Coal Mining Co, incorated with \$250,000 capital stock by T. Asher and H. H. Asher, Wasioto, Ky., and William Low, Pineville, Ky.

Okla., Coalton,-Coalton Mining Co. (preokia., Control.—Control Mining Co. (pre-viously reported incorporated with \$2500 capi-tul stock) will develop 50 acres of coal land; daily output 100 tons; will install machinery; H. S. P. Stanford, president; W. F. Herron,

anan Coal Corporation organized with O. S. McKinney, president, Fairmont, W. Va., and William A. Ohley, secretary-treasurer, William A. Ohley, secretary-treasurer, Charleston, W. Va.; has acquired Buchanan Coal & Coke Co.'s property, comprising 28,000

W. Va., Welch.-Davy Pocahontas Coal Co. (recently reported Incorporated with \$500,000 capital stock) purchased 300 acres coal for development; expend about \$125,000 to Install capital stock) purchased 3100 acres coal for development; expend alout \$125,000 to install mining machinery, erect tipples, construct electric plant for light and power, build uniners' dwellings, etc.; daily initial output, 1000 tons coal; plans increase to 2000 tons; no contracts awarded; not ready to receive hids until engineer is engaged; president, Walter L. Taylor; vice-president, R. E. Wood, both of R. E. Wood Lumber Co., 600 Continental Trust Bidg., Baltimore, Md.; secretary-treasurer, J. Albert Hughes, vice-president of Third National Bank, North and Baltimore Sts., Baltimore; general offices, Baltimore Sts., Baltimore; general offices, First National Bank Bidg., Welch; Baltimore office, 609 Continental Trust Bidg.

CONCRETE AND CEMENT PLANTS

N. C., Charlotte,—Piedmont Concrete Co. acorporated with \$50,000 capital stock by S.

Fig., St. Augustine. — International Con-rete Co. incorporated with \$5000 capital tock by A. C. Peterson, J. M. Gaines and J. E. Moodie, all of Jacksonville, Fla.

COTTON COMPRESSES AND GINS

Ark., Perry.—Perry Gin & Mill Co. incor-orated with \$5000 capital stock by S. C. Berger, W. L. Gadd and D. G. Colvin

Ga., Clyattville.-Clyattville Glnning Co incorporated with \$5000 capital stock by C. Arnold, J. V. Davis and C. A. Baucom.

Ga., Douglas.—Douglas Gin & Oil Co. or-ganized with \$35,000 capital stock to establish cotton gin, cottonseed-oil mill and guano fac-

Unadilla.—King Lumber & Oil Co., J. A. King, president, has begun erection of compress buildings recently noted; construc-tion by company's force; machinery order placed; daily capacity 80 to 100 bales of

Ga., White Plains.-Company organized by T. Walker, E. P. Walker and others to stablish six 70 saw cotton gin and fertilizer

Canning Co. Incorporated with \$19,000 capi-tal stock; H. B. Spring, president; J. Schenck, vice-president; H. L. Oliver, secre-

S. C., Epworth.-Epworth Glaning Co. in corporated with \$1000 capital stock; W. P. B. Kinard, president; D. M. Lipscomb, vice-president; J. W. Bowers, secretary-treasurer.

Tenn., Pulnski.-W. J. Yancey will establish cotton gin. Tex., Roxton.-Roxton Cotton Oil Co. will

COTTONSEED-OIL MILLS

Ark., Hope.—United Oil Mills incorporated with \$500,000 capital stock; W. Y. Foster, president; William Temple, vice-president; W. F. Bridewell, secretary-treasurer; will establish oil mills at Hope, Ashdown and Arkadelphia, Ark. (Recently outlined under Little Regis.)

Ga., Douglas.-Douglas Gin & Oil Co. ganized to establish oil mill, etc. (See "Cotton Compresses and Gins.")

N. C., Charlotte.-Elba Manufacturing Co. increased capital stock to \$500,000; will im-prove present plant and establish plant at

N. C., Maxton.-Elba Manufacturing Co., Charlotte, N. C., will establish cotton-oil mill. (See "X. C., Charlotte.") mill.

Okla., Stigler.—George C. Henry, Samuel Rose and William Stocker are interested in establishment of \$27,000 cotton-oil mill; to operate glus also.

operate gins also.

8. C., Batesburg.—Batesburg Ginnery will establish cotton-oil mill; erect five bulldings—lather building, 5×150 feet, with six-inch concrete floor; building for storing, covered with fireproof roofing; two-story grinding-room; brick b-fler-room; machinery building, 3×66 feet, two stories high, of timier covered with sheet iron and prepared fire-room; machinery stories saying with grinding mill. vice-president: I, II. Cox, secretary-treasurer,
Address machinery proposals to Mr. Cox;
main office address, Okmulgee, Okla.

Va., Buchanan County. — Fairmont-Buchroom, 18x45 feet, brick; power furnished by

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Corliss engine driven by two bollers; small generator will furnish light for buildings and grounds; construct coal chute in front er-room with capacity of 40 tons in 24 cs. (Recently mentioned.) boiler-re

Tex., Forney.-Forney Cotton Oil & Ginning Co., recently reported incorporated wi \$100,000 capital stock, is proceeding with co struction of mill previously described; A. Brooks, president; M. Spellman, treas-urer; has placed order for machinery with Briggs-Weaver Machinery Co., Dallas, Tex.

Tex., Houston Heights.—South Texas Cotton Oil Co. incorporated with \$60,000 capital stock by R. F. Crow, Jesse Andrews, W. A. Sherman and others; takes over and will operate Roberts Cottonseed Oil Co. and

Tex., Kingsville.—Kingsville Cotton Oil Mill Co. incorporated with \$30,000 capital tock by Robert J. Kleberg and Charles M. Flato, Jr.

Tex., Kingsville. - Kingsville Cotton IIII Co. incorporated with \$30,000 capital tock by Robert J. Kleberg and Charles M. MIII Co.

DRAINAGE AND IRRIGATION

Ark., Newark.-White River Land & Investment Co., F. C. Hoyt, secretary, organ-ized drainage district to drain 7500 acres of land between Newark and Black River; approximate cost, \$12,000,

La., Kenner.—Kenner Project will be incor-porated with \$700,000 capital stock by G. A. McWilliams of Steger Bldg. at 39 Jackson Blvd., Chicago, Ill.; Charles Carroll of New Orleans, La.; L. M. Eckert of Princeton, Ill. Hugo Freels and L. B. Langworthy of Chi cago, Ill., and others for reclamation of 5906 acres of awamp land; property extends from Kenner back 5½ miles to Lake Pontchartrain, and has railroad facilities; main drainage canal to be 10 feet deep and 50 feet wide and extend entire length of property; four naviable canals will lead into main canal which will carry off swamp water, and after land is cultivated will be used in bringing products to New Orleans market; boulevard road leading to lake will be constructed along nain canal; frontage on lake may be divided nto lots for summer residences. (Previously outlined.)

Miss., Boyle.-Boque Hasty Drainage District of Bolivar county awarded \$112,000 con-tract to R. H. & G. A. McWilliams, Steger Bldg., Chicago, Ill., for canal work; contract includes excavating 10 miles of canal 90 feet wide at bottom, 120 feet at top and 10 to 15 feet deep: 1,155,000 cubic yards of excava-tion; completion by May, 1912; district has planned lateral ditches, for which contracts will be awarded; completed system will drain 250,000 acres land; commissioners of district are T. H. Gaines of Boyle, J. B. Lee of Shaw, Miss., and William Connell of Shelby, Miss.; chief engineer, W. W. Boone of Cleveland Miss

ELECTRIC LIGHT AND POWER

Ala., Hartselle.-City votes August 8 on issuance of \$28,000 of bonds for construction of electric-light plant and water-works: J.
H. Corsbie, Mayor. (Xavier A. Kramer,
Magnolia, Miss., recently noted to prepare plans.)

Ark., Leslie.-Leslie Light, Water & P Co. will expend \$20,000 on electric-light plant and water-works construction. (recently noted awarded to J. W. Va (Franchise ames F. Keiser, the latter of Little Rock, Ark.)

Ky., Leitchfield.-Oelze Bros., Owensl Ky., purchased electric-light franchise: may begin construction in August or in the fall; M. J. Cunningham, Mayor; city recently noted to contemplate construction. (See 'Water-works.")

Ky., Maysville.-City will vote on issuance ,000 of bonds for construction of electric-light plant and to secure natural gas. Address The Mayor.

La., New Orleans -Consumers' Electric Co. awarded contract to Otis W. Sharp of New Orleans to erect substation; fireproof; one story : 15 feet high : 22 feet wide : brick, con crete and steel; front to have facing of mot-tled pressed brick; equipment will consist of 500-kilowatt electric motor generator set, 500-kilowatt electric motor generator set, with necessary switchboard and cable conections; contract for machinery awarded; nilding plans by DeBuys, Churchill & La-buisse of New Orleans. (Recently mentioned.)

Mo., De Soto.-City contemplates installation of lighting system in conn rater-works plant; Ward Cunningham,

N. C., Hickory.—M. E. Thornton, president f Thornton Light & Power Co., reports ar-Miss., Natchez.—J. G. McNeill of Wiggins,

rangements completed to finance and construct water-power-electrical plant previo mentioned; develop 8000 horse-power on tawba River; transmit electricity for rail-ways, lighting, manufacturing, etc.; rumored ds for \$1,000,000 will be issue

Okla., Foraker.-City is having plans pro pared by F. H. Lancashire, Dallas, Tex., ic-light plant; W. L. Leaton, Town (Bond issue of \$5000 recently reported voted.)

C., Honea Path.-City has engaged J B. McCrary Company, Atlanta, Ga., to make urveys and estimate cost of construction of electric-light plant.

Tenn., Cleveland. - Manufacturers' Re is informed that J. G. White & Co., 43 Ex-change Pl., New York, will finance and con-struct Ocoee River water-power-electrical plant mentioned recently in connection with J. W. Adams of Chattanooga; test borings completed and granite rock foundation se-cured for dam and power-house; lands and water rights purchased for \$85,000; city and franchises secured : develop 30,000 county franchises secured; develop 30,000 horse-power, and, if necessary, construct seo and dam for 20,000 horse-power additional; begin construction by August 15 and complete by June, 1911; transmit electricity to Cleveland, Chattanooga, etc.

Tex., Brady.-City is installing additional machinery in electric-light plant which will double present capacity of 140 kilowatts. Ad-dress The Mayor. (See "Water-Works.")

Tex., Gordon.—Gordon Water, Light & Ice Co. incorporated by J. J. Rice and others. (See "Water-Works.")

Tex., Snyder.-Snyder Ice, Light & Power Co. awarded contract for erection of pow e at ice plant; brick, concrete floors; 40x

Tex., Spur.-Spur Light & Power Co. name of company to construct electric-light plant; will erect 34x34-foot and 14x28-foot buildings; ordinary construction; work; J. E. Johnson, Stamford, Tex., day's ; machinery purcha viously noted.)

FERTILIZER FACTORIES

Ala., Foley.-Foley Fertilizer Co. is reported to enlarge plant: plans erection of stor-age-house 60x100 feet and building for han-dling grain, feed, etc.; install machinery for mixing 125 tons of fertilizer daily, and corn grinder: A. L. James, local manager

Ga., Blackshear.-Blackshear Manufacturing Co. awarded contract to V. G. Parker. Waycross, Ga., for erection of addition plant; 115x190 feet; cost \$12,000.

Ga., Douglas.—Douglas Gin & Oil Co. or-ganized to establish guano factory, etc.

Ga., Savannah.—Fertilizer Agencies Co, orporated with \$2500 capital stock by R. corporated with \$2500 ca Heard and T. C. Myers.

Ga., White Plains.-Company organized Walker and others to establish fertilizer factory: capacity 125 tons daily.

Md., St. Michaels.-Talbot Manufacturing Co. Is name of company to establish plant on 19-acre site recently noted purchased by E. N. Dodson and others; will open bids in Oc-tober for erection of 48x60-foot building; iron and tin; machinery mainly purchased; James Wright, president; A. J. Sackett, vice sident; E. N. Dodson, secretary-treasurer

N. C., Newbern,-Newbern Cotton Oil and rtilizer Mills will erect addition to tilizer factory.

8. C., Charleston.-Germofert Man will erect stockhouse 180 feet 11 inche 575 feet, and acid chamber in connection with main plant recently noted.

S. C., Chester.-Swift & Co., Chicago, Ill., warded contract to J. R. Hamrick, Chester, erection of fertilizer mixing plant des; 200x97 feet; foundation and and floor of concrete. (Recently mentioned.)

C., Greenville.-Harris & Willin tilizer Co. incorporated by J. D. Harris and W. H. Willimon.

8. C., Orangeburg.-Orangeburg Fertilizer incorporated with \$19,000 capital stock by H. Jennings, P. M. Smoak and Rol

FLOUR. FEED AND MEAL MILLS

Ky., Edmonton.-Perkins & Martin will construct flour mill.

Ky., Germantown.-Germantown Milling Co. incorporated with \$10,000 capital stock by H. L. Pepper, C. C. Erwin, J. S. Woodward and John Owens.

La., New Orleans.—Browder Bros. Company incorporated with \$15,000 capital stock; D. H. Browder, president; J. E. Dicherry, sec-

Miss., contemplates establishment of 100-bar-

Tex., Whitesboro.-Monarch Mill & Grain incorporated with \$10,000 capital stock by M. Sherman, M. E. Sherman and J. E.

Blacksburg.-Milling & Supply Co. inorporated with \$20,000 capital stock: C. Crumpacker, president; M. F. Slusser, president; J. K. Groeseclose, secretary-

FOUNDRY AND MACHINE PLANTS

Ala., Birmingham-Structural Iron, etc.-Richards-Ingalls Iron Works Co., J. C. Richards, president (recently reported incorporated with \$20,000 capital stock), will manu facture ornamental and structural steel and iron. (See "Machinery Wanted.")

Ala., Birmingham-Farming Implements Senn Pressed Steel & Hoe Co. organized with \$55,000 capital stock to establish plant at East Birmingham for manufacturing hoes and farming implements; daily capacity 4000 and other implements; Edward Senn. Harbor City, N. J., is president, and A. Wallace of Birmingham, secretary-treasurer.

Atlanta-Sash Weights .-Weight Foundry and Machine Works, Henry Kaplen, president, Fair St. and A. & W. P. Belt Line, will make improvements recently noted; will erect \$2500 foundry, \$500 office. 5500 railway siding and new cupola; mili construction; contractor, J. A. Mabry, De Kalb Ave, Atlanta; company will instal new cupola, two rumblers, small engine and water boiler; capacity of plant, 20 tons sash weights daily.

Ky., Louisville -- Brass Castings. Manufacturing Co., recently reported incor-porated (under "Miscellaneous Factories") with \$10,000 capital stock, has leased building and purchased machine tools and fixtures of John H. Cowles & Co.; will manufacture non-ferrous castings, brass finishing and plating; E. E. Bender, president; Peter J. Cosgrove, vice-president; E. H. Stevens, secrefary-treasurer.

Okla., Osage-Gas Engines.-F. M. Bum gardner, Washington, Pa., may be addressed relative to establishment of Gardner Gas Engine Factory recently noted.

GAS AND OIL DEVELOPMENTS

Ala., Birmingham,-Alabama United Oil & Ala., Brimingham.—Alaonia Cheed of as Co., 613 Farley Bidg., Incorporated wif ,000,000 capital stock by J. A. Caldwell, Be Barbour, J. R. Stagg and others.

Ala., Birmingham.—Sipsey Valley Oil & Gas o., S. P. Marsh, president, 202 Title Guarantee Bldg. (recently reported organized with (,000,000 capital stock), will develop 1000 cres of lands in Fayette gas district; will pen bids for drilling about 3000 feet. (See \$1,000,000 Machinery Wanted.")

Ala., Birmingham.-Roddy Oil & Mining Co. organized; S. Fonier, president; J. D. Rowe, vice-president; J. D. Brandes, secretary-

Ark., Corning.—Company is being organized with \$25,000 capital stock by J. Hopson, A. R. Simpson, G. A. Hoffman and others; to develop oil and gas property.

Ga., Dawson.-E. Belknap of Yonkers others are reported as contemplating organization of company to develop oil lands.

Ga., Douglas.-Douglas Oil & Pipe Line Co. ganized to develop oil lands.

Ky., Lexington.-Paul-Bowman prporated with \$50,000 capital stock by cace W. Bowman and others.

Ky., Maysville.-City will vote on \$75,000 ond issue to build electric-light plant a ecure natural gas. Address The Mayor.

Alexandria.-National Light & Power o., Cincinnati, O., applied for gas franchise.

La., New Orleans.—New Orleans Gas & Light Co. will erect three foundations, gas holder and oil tank : cost \$31,500.

Md., Mountain Lake Park.-H. V. Tho general manager, Northern Natural Gas Co., Fidelity Bidg., Buffalo, N. Y., may be addressed relative to development of company cently noted.

Md., Oakland.-Snowey Creek Oil & Gas ganized with Dr. Daly, president, Terra W. Va.; J. B. Cheuvront, general maniger, Oakland; will drill for gas and oll in West Virginia and Ohio.

Okla., Henryetta.-Jane Oil & Gas Co. Inrporated with \$10,000 capital stock by Th Booth, John Smith and Harry W. Jones Independence, Kans.

Okla., Kiefer.—T. E. Farr Oil & Gas Co. incorporated with \$10,000 capital stock by T. E. Farr and C. F. Robertson of Kiefer and P. F. Smith of Sapulpa, Okla.

Okla., Tulsa.—Numa Oil Co. incorporated with \$12,000 capital stock by P. J. White of Tulsa, E. B. Huston and Claude Miller of Independence, Kans.

Tex., San Antonio.-Berkendorfer Drilling Co. incorporated with \$10,000 capital stock by J. P. Berkendorfer, F. R. Harris and Wil-

Tex., San Antonio.-Benkendorfer Drilling Co. incorporated with \$10,000 capital stock by J. P. Bunkendorfer, F. T. Harris and others.

Tex., Houston.—The Texas Company has awarded contracts for 200 miles 6 and 8-inch steel pipe for new oil pipe lines in Southwest, probably for connecting link in Caddo field; understood contract for 100 miles 8-inch pipe received by National Tube Co., Pittsburg, Pa., and that contract for 100 miles 6-inch pipe will be awarded to La Belle Iron Works, Steubenville, O.

W. Va., New Martinsville,-Alpha Oil & Gasoline Co. incorporated with \$25,000 capital stock by A. B. Moore, F. C. Iams, S. A. Clas Moore and others.

ICE AND COLD-STORAGE PLANTS

Ark., Fordyce.-Sparkman Ice & Manufacturing Co. incorporated with \$50,000 capital stock by G. M. Hampton, Wiley Downs and others.

Fla., Ocala.—A. W. Braselton of Atlanta. Ga., will rebuild ice plant previously burned, 100x200 feet; stone; fireproof construction. (Previously mentioned.)

Fla., Tampa,-J. C. Hamlett will erect \$3000 ice plant.

La., De Ridder.-Hudson River Lumber Co. will rebuild ice plant reported burned.

Tex., Brady.-Brady Water & Light Co. will install ice plant in connection with other improvements. (See "Water-Works.")

Tex., Gordon,-Gordon Water, Light & Ice Co. incorporated with \$5000 capital stock J. J. Rice, R. L. Eaton and W. S. Dawson.

Tex., Houston Heights.—South Texas Cotton Oil Co. Incorporated by Jesse Andrews and others. (See "Cottonseed-oil Mills.")

IRON AND STEEL PLANTS

Ala., Birmingham—Steel Wire, etc.—Alabama Steel & Wire Co. incorporated with Walker Percy, president; D. B. Adams, vice-president, and J. T. Dillon, secretary-treasurer; will operate the \$3,000,000 plant (here-tofore detailed) being built by American Steel & Wire Co., Wm. P. Palmer, president, Cleveland, O.

Ala., Gadsden - Iron Furnace. - Southern Iron & Steel Co., W. H. Hassinger, president, Birmingham, Ala., has blown out iron fur-nace for general repairs.

Va., Lowmoor-Iron Furnace.-Low Moor Iron Co. is proceeding with construction of proposed No. 2 blast furnace : equipment will include skip hoist and blowing engine; an-nual capacity 60,000 tons of foundry fron.

W. Va., Follansbee-Tinplate.-Follansbee Bros. Company, Pittsburg, Pa., has con-tracted for two 30-inch sheet mills and other proposed improvements at its plant; each mill will have two stands of rolls and will be operated by electricity; power generated by low-pressure turbine engines; will have total of 23 stands of rolls, including nine cold rolls; betterment plans will also include ge from steam to motor drive for bar

LAND DEVELOPMENTS

Ark., Arkadelphia.-Arkansas Land Co., W. P. Wilson, secretary, recently reported in-corporated with \$100,000 capital stock, will develop farming district and locate manufacturing sites; contemplates erection of \$50,000 hotel, bank building and postoffice.

Fla., Fort Pierce,-Sebastian & Fellesmere Farms Railroad Co. purchased 115,000 acres land; will rebuild railroad and construct four drainage canals 120 feet wide at surface and 60 feet wide at bottom; lay out city; construct streets; erect residences, business buildings, school and \$20,000 hotel; engaged R. A. Conklin, Tillman, Fla., as gardener to plant half-acre plots.

Florida.-West Florida Land, Mining & Improvement Co. incorporated with \$25,000 capital stock by John G. Stroughton, Chas. Da Bois, both of Bergenfield, N. J., and others.

Ga., Atlanta.—Winship Realty Co. incorpo-ated with \$200,000 capital stock by George rated with \$200,000 capital stock by George Winship, James H. Nunnally, Joseph Winship and others,

Ga., Waynesboro.-Sardis Land Co.

Gal., Waynesooro.—Sardis Land Co. Incorporated with \$10,000 capital stock by W. R. Buxton, Geo. W. Godbee and others. Ga., Waynesboro.—Farmers' Home Co. organized; N. T. Haygood, president; W. A. Dinkins, secretary; H. Stallworth, general

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of

manager; Samuel Speed, treasurer; Paul doss, assitant manager; J. N. Clay, assistant contract to J. M. Colvin, Staunton, for gradescretary; purchased 1000 acres of land in ing, sewering and laying granolithic walks. Burke county, and has option on 2000 additional acres: will establish small farms. cres in town lots, erect industrial school, etc.

La., New Orleans.-Gulf Realty Co. organized with \$25,000 capital stock; G. Ad. Blaffer, president; J. P. Butler, vice-president; L. M. Pool, secretary-treasurer.

Md., Baltimore, - Clarence M. Gaither Bldg., purchased three tracts of land known as Beulah, containing 238 acres; will develop.

Md., Round Bay (not a postoffice).-Round Md., Round Bay (not a postoffice).—Round Bay Beach Co. incorporated with \$6000 capital stock by N. P. Chapman, 806 American Bidg.; Walter C, Piper and Hugo J. Hesse, all of Baltimore; recently noted to develop Round Bay property, 115 acres.

N. C., Charlotte.-Mrs. M. E. Wriston, Mrs. Geo, H. Brockenbrough and Mrs. J. A. Dur-ham will develop Miles Lloyd Wriston tract for residence section; construct boulevard 90 feet wide, lay off streets and driveways, subdivide into lots 66 to 70 feet front by 200 feet development in charge of E. S. Blair, Charlotte.

Okla., Guthrle. - West Side Development o. incorporated with \$80,000 capital sto-Owen R. Fegan of Guthrie, A. F. Rankin of Perkins, Okla., and Anton H. Classen of Okma City, Okla.

Okla., Oklahoma City.-International Town site Co. incorporated with \$10,000 capital stock by L. E. Patterson, Ben Davis and Joe H. Patterson.

Okla., Woodward. - Southwestern La Townsite & Immigration Co. incorporated with \$25,000 capital stock by N. C. Taylor, C. W. Taylor and M. P. Taylor,

Tenn., Memphis.-Stonewall Land Co., re ently reported incorporated with \$55,000 capck by H. Rensdorf and others, pur chased 25 acres of land adjoining Stonewal addition, and will develop for residence sec

Tex., Abilene.-Jim-Ned Townsite Co. corporated with \$30,000 capital stock by I. S. Brown, J. F. Rhea, R. F. Rankin and Sill

Tex., Bay City.—Japanese Satsuma Orange Co. (J. W. Magill and others), recently noted to develop 100-acre orange grove near Bay City, planted 10,000 trees (not 1000, as preincorrectly stated).

Tex., Beaumont.-LaSalle Townsite Co. inated with \$125,000 capital stock by Howth, J. D. Wilkerson and George D.

Tex., El Paso.-J. Calisher Realty Co. in corporated with \$250,000 capital stock by J. Calisher, J. U. Northman and Morris Ca-

Tex., Houston-Houston Development & Terminal Co. incorporated with \$200,000 capital stock by G. C. Denslow, G. M. Cole and

Tex., Laredo.-Albert Urbahn will develop Santa Rosa farm, containing 5000 acres; plan is to erect bungalow, pumping plant and two-story barn; clear and cultivate 400 acres of irrigable land: pumping plant to include 50horse-power gasoline engine and No. 1 pump estimated to flow 1500 gallons a minute for irrigation; improvements, under supervision of M. T. Cogley, will cost \$15,000; farm in charge of Will McKendricks.

Tex., Poteet.-Poteet Townsite Co., rec reported incorporated with \$30,000 capital stock, has purchased 300 acres of land and will develop townsite; subdivide into 300x 400-foot blocks and 50x140-foot business and residence lots; construct 50-foot-wide streets and 20-foot alleys; H. T. Mumme, presidentmanager; D. O. Terrell, vice-president; C. F Simmons, secretary-treasurer.

Tex., San Antonio.-A. J. Swearingen and associates (recently noted to have purchased 4345 acres of land) will develop townsite; to be subdivided into 10-acre tracts; drill artesian wells and make

Tex., Tuleta.—Tuleta Orange & Fig Orch-rd Co. incorporated with \$15,000 capital stock by Peter Unsicker, A. H. Patton and A E. Hosetler.

Tex., Waco.-Kinney County Land & Live Stock Co. incorporated with \$115,000 capita stock by M. E. Suchs, P. E. Schow and J. F Rowe.

Va., Lynchburg.—Peakland Corporation corporated with \$50,000 capital stock; R. derson, president; J. T. Coleman, vice-esident; R. C. Blackford, secretary. Anderson.

Va., Staunton.—Company organized with L. W. H. Peyton, president; M. Kivlighan, vice-president; C. R. Caldwell, secretary-

LUMBER MANUFACTURING

Ala., Birmingham.-Foster-Blodgett Tie & imber Co. incorporated with \$9000 capital stock to manufacture railroad crossties and other lumber products; John S. Foster, presand treasurer; A. S. Blodgett, vice-ent and manager; Oliver B. Foster, cretary.

rated with \$30,000 capital stock by C. M. Lauck, A. H. Scoggin, W. J. Lauck and H. L.

Ark Joneshoro - A. R. James will erect

Ark. Marianna.-Indiana & Arkansas Lumber & Manufacturing Co. purchased 3106 acr of timber land for \$50,000.

Ark., Nashville.-C. F. Peterson will estab lish hardwood and veneering plant; cost \$50,-000; site comprises 10 acres; machinery pur-chased; will develop hardwood timber land in Howard county.

Ga Waveress -- Beach Manufacturing Co orporated with \$300,000 capital stoc R. Beach, president,

Ky., Dayton.—O. K. Lumber Co. incorporated with \$10,000 capital stock by W. S. Sterrett, W. J. Wilmer and Ralph McCracken.

Ky., Lexington.—Poplarville Sawmill Co. acorporated with \$50,000 capital stock by seorge W. Headley, Jr., Douglas Hoagland and E. L. Hutchinson.

Ky., Sparta.-Sparta Lumber & Manufac turing Co. incorporated with \$5000 capital stock by H. Winn, Joseph Wilson, C. M. Guil-lion and Vernon Brock; Mr. Wilson is manager and treasurer.

Ky., Sparta.-Sparta Lumber & Manufac turing Co. incorporated with \$5000 capital stock by H. Winn, Joseph Wilson, C. M. Guil-lion and Vernon Brock; Mr. Wilson is man-ager and treasurer; buildings erected; no further machinery needed.

La., Eunice.-Eunice Hardwood Co. lized with James J. Lewis, president; Ed Alexander, vice-president; J. C. Blevins, sec-retary-treasurer; will establish plant to bave daily capacity of 40,000 to 50,000 feet of hardwood lumber.

La., Homer.-S. Burkholder Lumber Crawfordsville, Ind., purchased several thou-sand acres of timber land near Homer and contemplates erection of sawmill; now has small mill.

La., Leesville.-Central Coal & Coke Co. Keith & Perry Bldg., Kansas City, Mo., pur-chased 30,000 acres of yellow-pine timber lands; contemplates hauling timber to mill at Neame, La., for manufacture.

La . Pineville -Alexandria Lumber Co. will machine and car-repair shop recently reported burned.

Miss., Bentonia.—M. T. Link Lumber Contemplates installation of band-saw mill.

Mo., Dexter.-Dexter Lumber Co. incorp rated with \$10,000 capital stock by R. L. Smith, W. F. Tiller and J. B. Buck.

Okla., Oklahoma City.-Morse Lumber & Building Co. incorporated with \$50,000 capi tal stock by Peter Morse of Oklahoma City, J. M. and Wesley Morse of Kildare, Tex.

Tenn., Memphis.—Tschudy Lumber Co. in-corporated with \$25,000 capital stock by E. E. Tschudy, F. L. Peck, W. A. Percy, D. W. Armstrong and Charles W. Hunter.

Tex., Orange County.-Miller-Vidor Lumber Co., Galveston, Tex., purchased 40,000 acres of timber land in Orange and Jasper coun-ties estimated to contain 350,000,000 feet of pine and hardwood timber; purchase price reported as about \$2,000,000; land is on east side of Neches River; timber will be brought to Beaumont by tramroad and manufactured at Beaumont Sawmill Co.'s plant, which is ed by Miller-Vidor Lumber Co.; a ser is cut will colonize property and in small farms.

Tex., Terrell.-O. F. Walton Lumber Co. ecently noted (under "Woodworking Plants"), will erect 75x115-foot building; rdinary mill construction; day's work; has urchased machinery; daily capacity, 40,000 feet lumber planing.

a., Portsmouth.—Norfolk & Western Rail-r, C. S. Churchill, chief engineer, Roanoke, , awarded contract to John P. Pettyjohn way, C. & Co., Lynchburg, Va., to erect brick building for planing mill; cost \$35,000.

Va., Richmond.-Southern Lumber & Realty incorporated with \$25,000 capital stock;
B. Clark, president; C. B. Clark, secretary.

W. Va., Dobbin,-Parsons Pulp & Lumber Co. is making Dobbin mill improvements mentioned recently, but inquiries should not be addressed to Parsons (W. Va.) offices; Parsons company has mills at various loca-tions, and head office of all is at 200 Franklin Bank Bldg., Philadelphia, Pa.

W. Va., Springton.—A. D. Harrah and J. J. Melton, Charleston, W. Va., purchased property of Carr Lumber Co., comprising 4000 acres of stumpage, etc., involving expenditure of \$300,000; also secured 4500 acres additional stumpage to be developed by company be organized later: present equipment consists of circular sawmill having daily of pacity of about 20,000 feet, three logging le motives, loading machines, logging rail oad, etc.; Mr. Harrah and associates stall hand mill to have initial capacity of 40,000 feet daily.

W. Va., Welch.-Murchison Lumber Co. ganized with Joseph Keys, president, Gra-ham, Va., and James Waiker, Herndon, W. secretary-treasurer.

METAL-WORKING PLANTS

Okla., Osage-Wire Fence.-Farmers' Wire Fence Factory is name of company to estab lish plant to manufacture wire fence; J. B. Garrison, president; S. C. Hawk, vice-president; O. W. Gibson, secretary-treasurer; Geo. H. Cocks, general manager, all of Oklama City, Okla. (Recently noted.)

MINING

Ga., Atlanta.-Southern Mining Co. Incor orated with \$10,000 capital stock by W. E antrell, F. J. Johson and T. D. Meador, Jr

Ga., Oglesby-Granite.-Broad River Gran-te Co., W. H. Hillyer, president, Candler Ga., Ogiesby-Granite.-Broad River Gran-tie Co., W. H. Hillyer, president, Candler Bldg., Atlanta, Ga., will establish plant and erect power-house and office; ordinary con-struction; cost \$5000; Install crushing plant to cost \$10,000; will open bids for machinery August 15; daily capacity, 300 feet monu-mental blue granite; Herbert L. Wiggs, treasmay be addressed, (See "Machinery

Kr. Lewton - Limestone. - Lawton Lime stone Co., recently reported incorporated with \$20,000 capital stock, will develop 15 acres of land; 100 tons daily capacity; H. B. Campbell, president; L. C. Turley, vice-president-treasurer; L. A. Lane, secretary-manager.

Md., Baltimore — Quarry. — Forest Park Quarry Co. Incorporated with \$10,000 capital stock by Joseph A. Neugebauer, 127 West Lafavette Ave.: Abbott Morris and J. Royall Tippett.

Mo., Bourbon - Lead and Zinc. - Watkins Mining Co. incorporated with \$30,000 capits stock by M. J. Watkins, Mary W. Watkin and Frank A. Harris.

Mo., Joplin-Lead and Zinc.-Dieker Mining Co. will establish milling plant in Porto Rico camp; purchased mill and will handle from 160 to 200 tons of ore per shift.

Mo., Joplin-Lead.-Pilcher Lead Co. will ect 50x50-foot addition and install pulver izing machinery.

Mo., Joplin-Lead and Zinc.—J. M. Short vill sink shaft and develop Brinkerhoff tract at Toms Station; nine drill holes now sunk; machinery being installed.

C., Bridgewater-Iron.-M. E. Thornton Hickory, N. C., is negotiating sale of rke county iron land to Canadian, who ans development and construction of smelter to be driven by electricity from Catawba River water-power-electrical plant, in which a is intere light and Power Plants" ory.)

arlotte, R. F. D. No. 11-Gold.-Surface Hill Mining & Milling Co. incorpo rated with \$500,000 capital stock by G. S. Pettit of Oklahoma City, Okla.; E. M. Tucke of Charlotte and others.

N. C., Franklin-Clay.-Gurney Clay Co. ecently reported incorporated with \$50,00 capital stock, will operate clay mine; install full line of clay-washing machinery, engine and boiler; James W. Gurney, president.

Okla., Miami-Lead and Zinc.—Oklahoma Lead & Zinc Mining & Milling Co. increased capital stock from \$159,000 to \$300,000.

Okla., Osage-Sand.-Arkansas River Per-Okla., Osage—Sand.—Arkansas River Perfect Sand Co., recently reported incorporated (under Oklahoma City) with \$50,000 capital stock, has plans by H. H. Hull, constructing engineer, Oklahoma City, Okla., for boilerhouse, barges, etc.; fireproof construction; cost \$3700; construction by company's force; cost sales; construction by company's force machinery orders placed; daily capacity, 1600 yards sand; A. McMillinn, president, Okla-homa City, Okla.; C. Martin, vice-president, Horning, Okla.; W. A. Owings, secretary, Osage; E. N. Wesver, Oklahoma City, treasurer; D. E. Lahey, traffic manager, Okla-homa City; company will probably install

Tenn., Friendsville - Marble, - Tenness Producers' Marble Co. will open additional

Tex., Sherman-Marble and Granite.-Sher-Steam Marble and Granite Works inco porated with \$3000 capital stock by F. Hudson, H. L. Hendrix and J. A. Wolfe,

Ya., Herndon-Trap Rock.—Belmont Trap Rock Co. will develop 75 acres land contain-ing trap-rock deposit recently noted pur-chased; E. T. Detwiler, president; C. M. Lawrence, treasurer; S. A. Hersperger, sec-retary and manager; charter applied for; rock-crushing machinery and power plant may be installed later.

MISCELLANEOUS CONSTRUCTION

Ga., Valdosta-Dam.-White Water Coun-ry Club (Robert Myddelton, G. A. Whitaker and others) will, it is reported, construct concrete dam across White Water Creek, forming fish pond of about 125 acres.

Ga., Savannah -- Subway.--Atlantic Coast ine Railroad, E. B. Pleasants, chief engi neer, Wilmington, N. C., approved plans Henry street subway, estimated to cost \$35, 000; city and railroad each to pay one-hali John W. Howard, City Engineer. (Preclously mentioned.)

Krotz Springs - Levee. - Red River. La., Krotz Springs—Levee.—Red River, Atchafalaya and Bayou Bouef Levee Dis-trict, in conjunction with State of Louisi-ana, has begun proposed levee work at Latania Bayou, south; two and a half miles for this year; approximate cost \$37,000 on extension levee and \$4700 on raising and en-larging levees; work to be completed by February 1, 1911 : Gervais Lombard, engineer in e, Cotton Exchange Bldg., Nev. La.; labor by State convicts; New Williamson, levee inspector. This work part of long-planned and partially-completed ision of levee system on right desc sank of Atchafalaya River southwa es lands of Krotz Springs Land Co.

Miss., Yleksburg—Levee.—Bids will be open-ed July 21 for 1,180,000 cubic yards levee work in Third District; Clarke 8. Smith, Captain, Engineers. (See "Machinery Wantted.")

Tex. Fort Worth-Levee.-Commissioners ort Worth Improvement District No. ded contract to Texas Building C Worth, for construction of 11 miles levee along Trinity River; cost about \$290,-990; John L. Terrell, County Judge.

Va., Richmond-Tunnel,-City contemplates ction of tunnel 1800 feet long thro granite; Charles E. Bolling, City Engineer. Sewer Construction.")

MISCELLANEOUS ENTERPRISES

Ala., Birmingham-Railroad Rails, Machinery, etc.—Walton Iron Co. incorporated with \$10,000 capital stock; J. T. Walton, president eral manager; R. G. William

Ala., Montgomery-Publishing. -- Lawrence ompany, publishers, incorporated with \$25, 000 capital stock by Brooks Lawrence, Brooks Lawrence, Jr., W. B. Crumpton and others.

Ark., Almyra-Elevator.-G. W. Ross and dates are having plans prepared by J l (address care of Mr. Ross) for ric tor recently noted; 45x70x115 feet; capac ty 125,000 bushels of rice; cost \$30,000; Andy Huldberg, engineer in charge,

Ark., Corning - Hardware.-Corning Hard-Co. organized with \$8000 capital stock; T. W. Johnson, president; A. C. Cloyce, vice-president; H. A. Cloyce, treasurer; W. L. Emmert, manager.

Ark., Forrest City-Cotton.-Mallory Cotton Co. Incorporated with \$50,000 capital stock by J. H. Tipton (president), J. A. Bu-ford, Lynn Turley and H. T. Mallory.

Ark., Little Rock — Publishing. — Union Poultry Journal Publishing Co. Incorporated with \$5000 capital stock by E. N. Hopkins, J. M. Foster, H. Keatts and others.

Fla., Jacksonville-Publishing.-Florida Pubishing Co. awarded contract to Lightman. McDonald & Co., Nashville, Tenn., for erec-tion of proposed printing plant and office building for Florida Times-Union; size 90x100 feet; fireproof; reinforced concrete; pressed brick; metal sash; steam heat (contr let), gas and electric lighting; cost \$50,000; plans by J. H. W. Hawkins, Jacksonville.

Fig. Paintka—Automobiles.—Paintka Auto & Supply Co. incorporated with \$15,000 capi-tal stock; T. J. Barnett, president; M. A. Whiteside, secretary; David Benbow, treas-urer; will erect addition to building and intall necessary equipment.

Fin., Sanford-Publishing.-Sanford Herald will erect plant; printing office 25x17 feet; concrete floor in pressroom; install newspaper press, folder, typesetting machine and power cutter; add binding machinery later; replace gasoline engine with electric motor.

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Fla., Tampa—Garage.—Charles Wright will story brick plant; concrete basement; steam erect garage; brick; 60x210 feet.

Ga., Atlanta - Automobiles, - Edward Al friend, Peters Bidg., has plans by E. E. Dougherty and Solomon Norcross, Candler Bidg., Atlanta, for automobile salesroom one story and basement; 100x70 feet; fire proof construction : pressed brick front ; cost

Ga., Augusta — Poultry Farm. — Columbia Poultry and Stock Farms incorporated with \$15,000 capital stock by A. Binderwald, J. Sheron and W. A. Bindewald.

Ky., Hartford - Construction, & Construction Co. increased capital stock from \$1800 to \$8000.

Ky., Jackson - Publishing. - Sentinel Pub Ky., Jackson - Publishing. - Sentiner Publishing Co. is being organized with \$5000 capital stock; B. C. Musick, managing editor; will publish weekly new

Ky., Louisville — Publishing. — American 'ommon Sense Publishing Co. Incorporated A. B. Flarsheim, E. Paheim and L. B.

La. Plaquemine - Publishing. -Publishing Co. incorporated with \$10,000 capital stock by J. H. Pugh, B. C. LeBlanc and

Md., Baltimore—Hardware, etc.—Carlin & Fulton Company, 309 West German St., in-corporated with \$125,000 capital stock by Geo. Irvin, Frank Wha en, David M. Fulton l others; continue present establishment.

Md Bultimore - Navigation - Chesapeake Bay Navigation Co. incorporated with \$100,000 capital stock by W. F. P. Lodand, W. I. N. Lofland and J. S. Collins, Jr., all of

Md. Baltimore - Amusement Park.-Luna Park Amusement Co., 435 Equitable Bldg. will rebuild structures reported burned; loss \$30,000.

Md., Cumberland-Printing, etc.-Cumber and Office Supply Co., 35 North Liberty St. MG., Cumbrand Co., 25 North Liberty St., land Office Supply Co., 25 North Liberty St., lancorporated with \$10,000 capital stock; J. Thurston Boyd, president; Otis P. Jewett, treasurer; purchased stock and of J. T. Boyd and of Courier Publishing Co.

Md., Cumberland - Builders' Supplies Md., Cumbernam - Banders Supplies.

Builders' Supply Co. incorporated by C. E. Schaldt, W. P. Roeder and Roderick Clary to succeed Clay & Schaldt; will establish crushing plant and deal in building supplies.

Md., Frederick.-Ideal Electric & Machine Co., Ira S. P. Fahrney, manager, will erect ze, machine shop and warehouse; cement

Miss., Meridian — Automobiles. — Meridian Auto Co. incorporated with \$10,000 capital stock by Sam Meyer, Walter G. Hodges and others.

Mo., St. Louis-Automobiles,-Banner Auto mobile Co. incorporated with \$2000 capital stock by Russell E. Gardner, Hugo F. Cartwright and Elmer L. Robinger

N. C., Bryson City-Cattle, Smoky Mountain Cattle Co. incorporated with \$200,000 capital stock by J. W. Hawkins, T. T. Hart, both of Charlotte, N. C., and Ray B. Flint of Reno, Nev.

Waynesville-Hardware.-Wayn ville Hardware Co, incorporated with \$25,000 capital stock by W. T. Denton and others.

Okla., Buffalo — Grain Elevator.—Walling-ford Bros., Ashland, Okla., will erect grain elevator; capacity 10,000 bushels.

Okla., Okmulgee — Publishing. — Okmulgee Herald Co. Incorporated with \$3590 capital stock by Daniel McFarland, Fred Storm and E T McDowell.

Okla., Tulsa-Incinerator.-E. B. Cline, City Anditor, received bids until July 12 for con-struction of incinerator and buildings for same; capacity 40 tons of garbage every 24 hours, 10 per cent, of which will be night

Okla., Vinita - Construction .- United Construction Co. Incorporated with \$25,000 capital stock by R. Vance McSpadden of Vinita and J. W. McSpadden of Talequah, Okla.

8 C Anderson-Garage,-Earle & Sadler open bids August 15 for erection of gar-recently noted; 75x100 feet; mill conage recently struction; will let contract to local con-

Georgetown-Transportation amaw Transportation Co. incorporated with Standard Transportation Co. Incorporated with 810,000 capital stock; A. A. Springs, president and general manager; St. J. M. Lachleotte, vice-president; J. I. Hazard, secretary-treasurer; will establish freight, passenger and mail line on Waccamaw River between Georgetown and Bucksville.

S. C., Spartanburg — Publishing Plant. -Gles L. Wilson awarded contract to P. J. C Glies L. Wilson awarded contract to P. J. O. Smith, Spartanburg, for erection of two-

Tenn., Memphis — Greenhouses. — Idlewild Greenhouses incorporated with \$20,600 capi-tal stock by Otto Schwill, C. W. Schwill, T. - Idlewild G. Owen and others; continue present esta

Tex., Dallas - Seed, etc. - Texas Seed & local Co., R. Nicholson, president, reor-Floral Co., R. Nicholson, president, ganized with capital stock of \$125,000 \$100,000 as recently stated); will erect 85x175-foot building; three stories and basement; rete or mill construction; plans being ared by Harry Overbeck, 504 Juania Bldg., Dallas, Tex.; construction will begin in Sentember

Tex., El Paso-Printing.-Ellis Bros. Print ing Co. incorporated with \$100,000 capital stock by W. Y. Ellis, H. Y. Ellis, F. E. Hunter and W. W. Turney.

Tex., El Paso-Printing.-Ellis Brothers Printing Co. incorporated with \$100,000 capital stock by W. Y. Ellis, H. Y. Ellis, F. E. Hunter and W. W. Turney.

Tex., San Antonio.-City awarded contract Gamewell Fire-Alarm Telegraph Co., New ork, for installation of fire-alarm system, oviding for private connection of 40 cables tween central station and telephone exchange through several fire stations

Va.. Norfolk — Printing. — Atlantic Coast Printing Co. incorporated with \$2500 capital stock; R. E. Reed, president; S. J. Proctor, vice-president; W. T. Saunders, treasurer; A. W. McWhirter, secretary.

Va., Portsmouth-Drydock.-Navy Depart went, Geo. von L. Meyer, Secretary of Navy, Washington, D. C., opens bids July 20 for extension of Norfolk Navy-yard drydock; will extend from 550 to 732 feet; require thro on the trem soo to to be feet; require three nonths to remove present head of dock and uild in side walls to join sides of original ock with extension; appropriation \$550,000; following contractors invited to bid:
O'Rourke Contracting & Engineering Co.,
McArthur Bros., Foundation Co., James
Stewart Co., S. Pierson & Son, all of New
York; T. A. Gillespie Co. of Pittsburg, Pa.: William L. Miller, Holbrook, and Cabot Rollins of Roston, Mass. (Recently me

Va. Richmond-Printing -F. J. Mitchell Printing Corporation incorporated with \$5000 capital stock; John Stewart Bryan, presi-dent; Richard Riley, secretary-treasurer.

Va., Charleston-Auto Cabs.-Kanawha Auto Cab Co. incorporated with \$5000 capital stock by William T. George and J. B. Dill-worth of Philippi, W. Va.; William B. Mat-thews, C. E. Robinson and F. C. Major of

W. Va., Richwood-Publishing.-Yew Publishing Co. incorporated with \$5000 capital stock by E. C. Bennette, L. D. McCutcheon,

MISCELLANEOUS FACTORIES

D. C., Washington-Beverages.-Coco-Cola ompany, 1418 E St. N. W., will erect factory and office building on North Capitol St. near Massachusetts Ave.

Ga., Atlanta-Medicine.-Dr. John H. Bruce appy John) Medicine Co. incorporated th \$50,000 capital stock by J. H. Bruce, M. Lukens, F. E. Walthall and others.

Ky., Louisville-Statuary.-Grisanti Statuwill erect four-story factory build ing and equip with electric-power equipment and pneumatic appliances

La., Baton Rouge-Paraffine.-Standard Oil Louisiana (Standard Oil Co., 26 Broad-New York) contemplates building par-department as addition to present

Shreveport - Peanuts.-Bain Peanut La.. Co., Wakefield, Va., awarded contract for erection of \$75,000 factory building recently noted (under La., Bossler); 48x6f feet; nill construction; wood; daily capacity 1000 bags of peanuts. (See "Machinery Wanted.")

Miss., Columbus.-Southern Manufacturing Co. incorporated with \$75,000 capital stock by W. W. Craig, John F. Elder and others

La., New Orleans — Drugs. — Capdau-May brug Co. incorporated with \$100,000 capital tock by P. A. Capdau and others. Drug Co.

Md., Baltimore—Drugs.—Emerson Drug Co warded contract to Wm. H. Parker, 63 Euclid Ave., Baltimore, for erection of facbard Sts.; slx stories; steam heat; slate roof; cost \$160,000; plans by Joseph Evans Sperry, 400 Calvert Bldg., Baltimore. (Previously mentioned.)

ently reported incorporated) organized P. W. Mulvihill, Sr., president; W. H. II.
Wilson, secretary; Joe F. Foard, treasurer;
purchased 265 acres of Providence plantation will erect creamery; cost \$56

for \$12,000 and will establish crean arns, stables, install refrigerating machin-

Mo., Kansas City.—A. R. Rust Manufactur ing Co. incorporated with \$25,000 capital stock by A. R. Rust, F. M. Rust and C. O.

Mo. Sedalia - Akers Resh Manufacturing incorporated with \$60,000 capital stock by H. Akers, Jacob Resh, H. P. Akers and

St. Louis-Lead Products.-National Mo., St. Louis-Leau Frondway, Net Lead Co., main office 111 Broadway, Net for exaction of fac-York, awarded contract for crection tory building; one story; 100x750 fee ory building; one story; 100x750 feet; p chased and will install power machinery.

Mo. St Louis - Wrenches - Never-Break Wrench Co, Incorporated with \$2000 capital stock by Adolph M. Oge, Stephen F. Raab of Creve Coeur, Mo., and others.

N. C., Wake Forest.—T. E. Holding & Co. acorporated with \$50,000 capital stock by T. E. Holding, J. E. Davis and S. P. Holding.

Okla., Oklahoma City - Fire Escapes. -couthwestern Fire Escape Co, incorporated \$10,000 capital stock Maesches, R. S. Jones and O. W. McCallister

Okla., Oklahoma City-Glass.-Commercial Club has secured location of glass plant Independence (Kans.) firm of Patterson is manager.

Okla., Tulsa—Oil-well Supplies.—W. C. Korris will establish plant to manufacture oil-well supplies; awarded contract to John Bradley, Tulsa, for erection of \$4000 brick building; install power hammers, drill presses, turret machinery, forging machines, lathes, etc.

Dil Co., St. Louis, Mo., is reported as to establish oil refinery.

S. C., Gaffney-Creamery,-Gaffney Cream ry Association organized by B. G. Clary, T. Petty, J. B. Pettit and T. W. Williamson; warded contract to Ben Wildman for erection of proposed creamery; cost \$5250.

C., Marion-Car-door Openers, etc.-Millsaps Company, recently reported incorporated with \$25,000 capital stock, will establish plant and install machinery to manufacture p mail bag deliveries and receivers, bo freight car door openers and patent letter binders; Jos. L. Wheeler, president; D. W. Millsaps, vice-president; W. F. Stack-house, secretary-treasurer. (See "Machinery

Tenn., Chattanooga—Refrigerators. — Odor-less Refrigerator Co., 10th and East R Sts., will erect addition to plant; two stories; iron and frame; composition electric lighting; cost \$8000. dition roof; gas and

Tenn., Memphis-Trimmed Hats.-Eastern Trimmed Hat Co. incorporated with \$9000 ipital stock by Jonas L. Lehman, David eer, Sol Myers and others.

Tenn., Nashville - Gas. - Nashville Gas & Fuel Co., J. T. Howell, president, incorporated with \$100,000 capital stock; organized to take over plant of present gas company provided certain conditions and details are

Rives-Brooms - Morris Broom Co. W. P. Morris, president, will establish plant to manufacture brooms; erect 24x40-foot and 25x50-foot buildings; one and a half stories; cost \$7140; day's labor; plans by Mr. Morris; install gasoline engine and broom machin-ery; cost \$1200; daily capacity 30 to 40 dozen

Tex., Kenedy - Bottling. - Coca-Cola Bottling & Manufacturing Co. incorporated with \$10,000 capital stock by M. E. Scovill, W. N. Elledge and B. W. Klipstein.

Tex., Mount Pleasant-Peanuts.-Jesse W. Greer will erect peanut factory; 45x90 feet; daily capacity 600 bushels.

Tex Valentine-Rubber - Rig Rend Mann. fecturing Co., Big Bend, Tex., purchased guayule rubber shrub (on land of University of Texas) for \$26,000 and will establish rubher factory

Tex., Taylor-Feed Pens.-Taylor Feed Pen orated with \$9000 c F. E. Ripley, J. B. Wills and E. B. Martin,

Tex., Victoria-Baking Powder, Preserves, etc.—Southern Pure Food Manufacturing Co. will establish plant to manufacture baking powder, prescryes, pickles, etc.

Tex., Yoakum-Creamery.-Creamery Dairy o. of San Antonio will establish creamery; W. A. Fink will erect erect brick building. W. A. Fink will erect brick building in connection with creamery.

Va., Bristol-Shoes.-Bristol Shoe Co. incorporated with \$150,000 capital stock by John H. Caldwell, S. L. King, E. K. Bachman and

Va., Petersburg-Creamery.-A, B. Murray

Va., Salem-Tannery.-Leas & McVitty are having plans prepared by H. M. Miller, Roa-noke, Va., for addition to tannery; three stories; brick; 50x112 feet.

Va., Wytheville-Pins,-Spiral Tent & Anchor Pin Co. incorporated with \$50,000 capital stock; E. E. Johnson, president; Henry Hawley, vice president; G. T. Foltz, secretary-treasurer

W. Va., Huntington - Creamery. - Wilson Creamery Co, Incorporated with \$25,000 capi-tal stock by Joe L. Wilson, E. E. Williams, Paul W. Scott and others.

W. Va., Martinsburg-Creamery.-A. II Walker is chairman and H. L. Alexander secretary of committee interested in establishment of proposed creamery; awarded con-tract for erection of building.

Va., Parkersburg-Milk Bottles.-Standard Milk Bottle Manufacturing Co. completed portion of proposed plant and will erect two additional buildings; boxroom 40x60 feet and warehouse 60x150 feet. (Previously mentioned.)

W. Va., Parkersburg — Shovels. — Baldwin Forging & Tool Co., Frank W. Baldwin. president, Columbus, O., determined details of plant heretofore mentioned; will erect buildings (covering 100,000 square feet floor space) of brick, mill construction, with composition roofs; main structure, 60x860 feet; machine shop, 60x100 feet; pickling-house, 50x50 feet; steel shed, 50x100 feet; handle warehouse, 50x200 feet; warehouse, 50x200 feet; install machinery for daily output 500 dozen shovels; will remove equipment fre Columbus plant and probably add \$50. worth. (Previously incompletely reported.)

W. Va., Parkersburg-Beverages.-Ohio Valley Nova-Kola Co. incorporated with \$29,000 capital stock by C. W. R. Radeker, J. R. H. Radeker, O. T. Crites and others.

W. Va., Salem—Glass.—Modern Window Glass Co. Incorporated by Raymond Corril, Louis Mottett, Louis Lambiotte, Jr., and

RAILWAY SHOPS, TERMINALS, ROUNDHOUSES, SHEDS, ETC.

Ark., Little Rock.-Chicago, Rock Island & Ark, Little Rock, Chicago, Rock Island & Pacific Rallway, J. B. Berry, chief engineer, Chicago, Ill., advises that proposed buildings will include 20-stall brick roundhouse, 300-ton coal chute, 165,000-gallon steel tank, 40-foot track scale and cinder pit. (Previously

Ga., Macon.-Georgia Southern & Florida Railway, W. C. Shaw, chief engineer, Macon, Ga., has contracted with Central Georgia Power Co. for electricity to operate all mahinery in shops; reported that shops will

Va., Richmond,-Chesapeake & Ohio Railway, F. I. Cabell, engineer maintenance of way, Richmond, Va., has plans completed by its architects for extensive shops; site comprises 300 acres. (Mentioned in February.)

ROAD AND STREET WORK

Ala., Birmingham.-Street committee rec ded that Maury Nicholson City advertise for bids for paving 18th St. Ave. A to Eleventh Ave.; awarded contract to McCartin Construction Co. at \$4822 for work on McCullom St. South, and to E. W. Turner at \$2055 for paving 16th Al. South, both of Birmingham, Ala.; also recommends that ordinances be drawn for paving Ave. E. with vitrified brick, Sycamore St., Ma La., Arlington Ave., Maplewood St., etc.

Ark., Helena.—City is having surveys made by N. W. Green, City Engineer, for paving on principal streets. (Recently noted.)

Ala., Huntsville.-City Council adopted or-dinance providing for issuance of \$40,000 of bonds for paving Church St.; also ordinance providing for sidewalks on Meridian and providing for sidewalks on Race Sts. Address The Mayor.

Ark., Hot Springs.—City awarded contract to Zincoli Pole Co., Texarkana, Ark., to pave portion of Benton St. with concrete blocks.

Ark., Jonesboro.-Board of Improvement carded contract to J. A. Koons, Mt. Vernon III., for 23,000 square yards paving, 105,000 square feet sidewalk and 10,000 linear feet curbing recently noted awarded to Noah Bogard, Washington, Ind.; C. Vogt, engineer charge, Decatur, Ind.

Fla., Orlando.-Orange county will vote September 14 on issuance of \$1,000,0 bonds for construction of brick roads.

Fla., Tampa.—Hillsboro County Commissioners will hard-surface road from Six-mile Creek to property of Tampa Bay Land Co., three miles, and company w road through its property distance of three

Fla., West Palm Beach.-Palm Beach Coun-

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Commissioners awarded contract to West Palm Beach Transfer Co. to surface with rock balance of Okeechobee Rd, and for rock-ing main county road from Mangonia to Stuart and erection of bridges. (Recently mentioned.)

Ga., Griffin.—City contemplates expending \$12,000 for additional street paving; contract awarded. Address The Mayor.

Ga., Sparta.—City contemplates vote on bond issue of \$60,000 for roads and public utilities. Address The Mayor.

La., Alexandria.-Board of Aldermen adopt ed ordinance providing for paving of Gould Ave. with vitrified brick and gravel; City Clerk will advertise for bids to be opened September 6. (Recently mentioned.)

Ky., Louisville.—Board of Public Works will award contracts July 20 for 35,599 square yards asphalt paving, 5925 square yards vitri-fied block, latter to be used for gutters; estimated cost \$117,960.

La., New Orleans.—Finance committee approved and recommend bids of Barber Asphalt Paving Co. (main office, Philadelphia, Pa.) for following street work: Audubon, from St. Charles to Ferdinand, subsurface drainage, \$22,671; paving, \$17,569.60. Eighth, from St. Charles to Carondelet, subsurface from St. drainage, \$2924.80 : paving, \$3926.

La., Stonewall.-Nelson Bros. are constructing model road to intersect road from Mans field to Shreveport; materials, dirt, sand and gravel; locally furnished; cost \$500 per mile; Velson Bros., engineers.

Md., Baltimore.—State Roads Commission, John M. Tucker, chairman, Union Trust Bldg., will open blds July 27 for construction of 8.34 miles of road in Baltimore city and Baltimore county. (Recently mentioned. See "Machinery Wanted.")

Md., Cambridge.—City will expend \$100,000 for street paving; Willam H. Lecompte, Mayor. (Recently mentioned.)

Miss., Brandon.—Rankin County Commissioners authorized \$30,000 bond issue for road construction.

Miss., Europa.—Board of Aldermen awarded contract to J. T. Osborne, West Point, Miss., to construct concrete sidewalks and crossings; cost \$10,000.

Miss., Gulfport.—Harrison County Commis-ioners authorized \$50,000 bond issue for road construction. (Recently mentioned.)

Miss., Jackson.—Hinds County Supervisors will issue \$200,000 of bonds for road construc-

Miss., Meridian.—City voted issuance of \$10,000 of bonds for laying brick or cement sidewalks; W. G. Wetmore, City Engineer. (Recently mentioned.)

Mo., Cape Girardeau.-City will grade and macadamize (with bitulithic binder) Inde-pendence, West End Blvd, and Whitener Sts.; grade and pave Broadway with creosoted wood blocks; bids to be opened July 18; Chris F. Betten, City Clerk. (See "Machinery Wanted.")

Mo., Joplin.—Bids opened July 11 for grad ing three miles of public road. Sanson & Funk, Miners' Bank Bldg., can give informa-

C., Elizabeth City.-City awarded tract to Barber Asphalt Paving Co. (main offices, Philadelphia, Pa.) to pave Main St. with asphalt, and to Bowe & Page, Charleston, S. C., to pave other streets with brick.

N. C., Southport.—Lockwoods Folly town-ship will vote August 13 on issuance of \$10,000 bonds for road construction. Address Township Commissioners.

N. C., Southport.—Smithville township of Brunswick county voted bond issue for road improvements. Address Township Commissioners. (Recently mentioned.)

Winston-Salem.-Forsyth County Commissioners awarded contract to King. Foushee & Moseley, Greensboro, N. C., at \$5920 to construct one mile of macadam road and at 25 cents per cubic yard for excavation.

Tenn., Knoxville.—Knox County Road Com-tission awarded contracts for road repairs as follows: Horace A. Mann—Tazewell plke, \$30,000; Emory Rd., west of Church Grove, \$2000; Clinton plke, \$2500; Peters & Gibson—Middle plke, \$3000; McCammon & Johnson—Kimberlin Heights plke, \$2500; Pickins Gapplke, \$3000; J. S. Hodge—The Wallace or Valley Rd., \$2000. Also awarded contracts for new work as follows: J. U. Burkhart Company—Extension of Sharp's Gap plke, near Heiskell Station, \$2500, and Fountain City, \$2000. as follows: Horace A. Mann-Tazewell pike. Helskell Station, \$2500, and Fountain City, Chickamauga Ave, and Beverly Rds., \$5000; J. T. Hickey—Grading from Kingston pike to Looney Bend Rd., \$500; all of Knoxville.

Tenn., Knoxville.-Knox County Road Com-mission awarded contract to Dykes & Co. of Knoxville at \$3000 for work on Dry Gap pike extension and at \$1000 for work on Tillery

Tenn., LaFollette.-City will lay concrete sidewalks; will award contract July 25. Address Board of Public Works. (See "Machinery Wanted.")

Tenn., Memphis.—City will construct 52,500 quare yards tar macadam pavement, 3410 quare yards tar macadam resurfacing, 1900 yards mussel shell pavement, 2500 square yards old stone pavement, 2200 square yards concrete pavement and 15,720 square yards asphalt pavement; bids to be opened July 19; Ennis M. Douglass, City Clerk. (See ery Wanted.")

Tenn., Erwin.-City voted \$20,000 bond issue eet improvements and sewer constr Address The Mayor. (Recently m

Tenn., Lonsdale.—City awarded contract to J. J. Connor & Bros. Company, Knoxville, Tenn., to pave streets; cost \$18,000. (Recently mentio (from

Tenn., McKenzie,-City is having stre company, Memphis, Tenn., preparatory to making estimate of cost of graveling streets. Bond issue of \$20,000 recently reported voted for street paving and extension of water

Tenn., Memphis.-City Commissione awarded contract to Memphis Asphalt & Pav-ing Co. to resurface about 23,000 square yards of brick pavements; streets include North Court, Monroe, Gayoso, South 2d, etc.; esti-mated cost \$34,000; also awarded contract to Barber Asphalt Paving Co. (main office, Philadelphia, Pa.) at \$1.17 per square yard pave one block of Rayburn Blvd.; H. Brennan, two short pieces of gravel work on Lamar Blvd., and M. Larkin for two short strips of brick paving on East Floyd Al. and McCall St.; both of Memphis.

Tenn., Newport.-City will construct to miles of concrete sidewalk to connect with Main and Church Sts. Address The Mayor.

Tex., Austin.—Travis County Commissioners awarded contract to A. M. Clopton of Austin to construct one mile of graveled road; cost \$2500.

Tex., Midlothian. — Midlothian precinct of Ellis county voted issuance of \$90,000 of bonds for road construction. Address Prenissioners.

Tex., Dallas.—City will resurface McKinney Ave. from Harwood to Routh St., and Elm St. from H. & T. C. Rwy. track to Crowdus St.; bids to be opened July 20; J. B. Wins-City Secretary. (See "Machinery Wanted.")

Tex.. Richmond. - Commissioners' Court, Fort Bend county, appointed Tolman Engineering Co., 403 First National Bank Bidg., Houston, Tex., engineer for road district No. 1. which has issued bonds for \$150,000 to con 1, which has issued bonds for shaped to con-struct hard-surfaced roads; principal road will connect with extension of Main St. road from Houston to Brazos River bridge at Richmond, distance of 31 miles; this road to part of highway from New Orleans to exico and from Houston to San Antonio; in connection, reinforced-concrete culverts will be designed by Tolman Engineering Co. which is now about completing prelimit survey of main road; reported that sev hundred thousand dollars will soon bec available for this road system. (Previously

Munday.-City voted \$5000 bond is street improvements. Address Mayor

Tex., Seguin.-City voted \$25,000 bond iss street improvements. Address

Tex., Taylor.-City will pave Main St.; Matthews, City Engineer, prepared plans.

Tex., Taylor.-Williamson county will construct rock gravel or macadam roads in road district No. 4; S. G. Yakey, Commis-sioner. (See "Machinery Wanted.")

Tex., Victoria.—City Council Instructed ublic square committee to advertise for bids for laying cement walks in and around the square; estimated cost \$3000.

Va., Norfolk.-Board of Control awarded Va., Norfolk.—Board of Control awarded contract to P. J. Looney of Norfolk to pave 20th St., between Williams Ave. and Elmwood Cemetery gate; contract price 38 cents per square yard for paving and 8 cents per linear foot for curbing.

Va., Suffolk.-Lakeside Park Corporation. Henry Wood Campbell, president, will con-struct granolithic sidewalks through its property along Lake Kilby.

Va., Richmond.—City opens bids July 14 for laying certain granolithic sidewalks in Washington ward; Charles E. Bolling, City

Va., Wise.-Wise county will probably vote September 6 on issuance of \$700,000 of bonds for construction of about 100 miles of road. Address County Commissioners.

W. Va., Clarksburg.-City awarded contract Concrete Construction Co., Parkersburg. W. Va., for street paving.

W. Va., Princeton .- T. Towles & Co., Prin ton, advise they have received contract for paving streets with brick, tarvia macadam and macadam, constructing 16,000 feet curb-ing and sidewalk, amounting to \$250,000. (Paving previously noted.)

SEWER CONSTRUCTION

Ala., Attalia.—City will construct sanitary ewer system; bids to be opened July 26; Fillburn Hill, engineer, Gadsden, Ala.; S. Gray, Town Clerk. (See "Machinery S. Gray. Wanted.")

Ala,, Birmingham.-City awarded con to E. W. Jordan Construction Co. mingham at \$2148 for sewer work in 16th

Ala., Mobile.-Wright Smith, City Englneer, is having preliminary surveys made for extension of sanitary sewer system for city and suburbs.

Ky., Lexington.—C. C. Miller & Co. are owest bidders for construction of sanitary sewer on West 3d St., and Joseph Melvin & 'o. for sanitary sewer on Ransom Ave.; both of Lexington; John Skain, Mayor.

Ga., Atlanta.—City will construct trunk sewer on ravine between Highland and Sin-clair Aves.; bids to be opened July 18; R. M. Clayton, City Engineer. (See "Machinery

Ga., Camilla. - Sewer construction mount of \$15,000 is contemplated; terracotta pipe; T. H. Martin, engineer, 920 Empire Bldg., Atlanta, Ga.

La., Hammond.—Town Council is considering squance of bonds for construction of sewer system.

Md., Baltimore.—City is arranging for con-struction of trunk sewers in District 48, Sani-tary Contract No. 54; bids to be opened July 20; Peter Leary, Jr., chairman Sew Commission, 904 American Bidg. (See chinery Wanted.")

Miss., Ellisville.-City will engage engi to estimate cost of constructing sewer sys-tem; contemplates bond issue. Address The

Miss., Ellisville.-City will vote on issuance of bonds for constr Address The Mayor. construction of sewer system

Miss., Meridian.-City voted issuance 50,000 of bonds for improvement of surface and storm drainage system, including laying pipes, building conduits, culverts, bridges, etc.; also \$10,000 of bonds for extending and improving sanitary sewer system; W. G. Wetmore, City Engineer. (Recently mentioned.")

Mo., Dexter.-City is considering of tion of sewer system ; Fuller-Coult Company, Chemical Bldg., St. Louis, Mo., is engineer.

Mo., Montgomery City.—City contemplates construction of sewer system; Fuller-Coult Company, Chemical Bidg., St. Louis, Mo., is engineer.

C., West Durham.-Erwin Cotton Mill Co. is considering construction of sewer sys-

Fort Sill .- Government awarde ntract to Luyster & Lowe, Dayton, O., at 2,600 to construct sewerage and purifica-\$12,600 to construct sewerage and purification plant; Capt. David L. Stone, constructing quartermaster. (Recently mentioned.)

Okla., Tulsa.—City will construct sanitary ubmain on 2d St. to 3d St., across St. Louis San Francisco Railroad right of way, and on 3d St. in Ownes Addition; bids opened July 11: T. C. Hughes, City Engineer.

Okla., Yukon.-City voted issuance of \$10, 000 of bonds for construction of sewer tem. Address The Mayor. (Burns & McDon-nell, Kansas City, Mo., recently reported as preparing plans and specifications.)

Tenn., LaFollette,-City will award contract July 25 for sewer construction. Addre Board of Public Works. (See "Machine Wanted.")

Tenn., Erwin.-City voted \$20,000 be sue for sewer construction and street improvements. Address The Mayor.

Tex., Benumont.—City will extend sewer ystem; bids to be opened August 2; C. L. cherer, City Engineer. (See "Machinery

Tex., Belton.—Belton Sanitary Sewer Co. Charles B. Smith, secretary, rejected all bids but arranged with its engineer, Fountain-Shaw Engineering Co., Andrews Bidg., Dal-las, Tex., for construction of sewer system; as, Tex., for construction of sewer system; countain-Shaw company has been in charge f engineering work. (Recently mentioned.) Va., Richmond.— City contemplates con-truction of sewer along Virginia avenue hrough River View to river; will require

construction of tunnel through granite distance of 1800 feet; Charles E. Bolling, C

W. Va., Wellsburg .- City Council is considering bond issue for constru-system. Address The Mayor. nstruction of sewer

TELEPHONE SYSTEMS

Ala., Robertsdale.—Alabama Telephone & Telegraph Co. incorporated with \$5990 capital stock; Ellis L. Munna, president; Spalding Peck, secretary-treasurer; J. H. Haswell, general manager; will operate in Baldwin, Conecuh, Escambia, Monroe and Washington supplies purchased;

Ark Helena -- Lake View Telephone Co. incorporated with \$10,000 capital stock by Straub, E. M. Allen and others.

Ky., Kirbyton,-Home Telephone Co, incor-orated by W. O. Hobbs, J. A. Hayden and . O. Martin.

Ky., McHenry.-Farmers' Mutual Telepho is reported as arranging to construct phone line to Beaver Dam, Ky.

Ky., Sulphur Well.—Sulphur Well Hom Telephone Co. incorporated by L. Boston, S M. Marcum and O. E. Boston.

N. C., Sfier City.—Vonlee Telephone Co. in-corporated with \$10,000 capital stock by J. Wade Siler, C. N. Bray and others.

8. C., Greer.-Fairview Telephone Co. in-orporated by W. D. Cox, C. Ballinger and L.

Tex., Pleasanton. - Bexar-Atascosa Tele phone Co. organized with \$3000 capital stock : will construct telephone line from Pleasante to San Antonio.

TEXTILE MILLS

Miss., Meridian-Hoslery Yarns.-Priscilla Hills increased capital stock from \$60,000 to 2200,000 for building mill to spin yarns for present hosiery mill. (Lately mentioned.) N. C., Vass-Cotton Yarns.-Vass Cotton Mill Cc. will complete plant previously men-

tioned; has erected mill building, cotton warehouse, operatives' cottages, etc.; ordered spindles and accompanying machinery for yarn production; A. Cameron of Yass, presi-dent; Walter B. Bell of Morgantown, N. C., secretary-treasurer.

Okla., Ardmore — Cotton Goods.—W. G. Perry of Greenville, S. C., submitted propo-sition to M. L. Alexander for organization of cotton-mill company lately mentioned; capital stock to be \$200,000.

Okla., Osage-Hoslery.—New England Hos-lery Factory will probably be title of plant lately reported; Brown Cornellson, Security Oklahoma City, Okla., can be ad-

S. C. Belton-Towels.-E. R. Rice, Jr., has setablished E. B. R. Weave Shed; has build-ing two stories high, of brick, 40x50 feet, equipped with 10 looms, electrical generator, for dally output of 640 Turkish towels and 32 dozen dollies; no further machinery

S. C., Chest ganized with \$400,000 capital stock to build plant for manufacturing fine lawns; president-freammentering me lawns; presi-dent-freamer, W. E. Burnett; vice-presi-dent-general manager, J. N. Cudd, both of Spartanburg, S. C.; engineer in charge, Jos. E. Sirrine of Greenville, S. C., who has pre-pared plans and specifications. (Mr. Burnett reviously reported as planning mill

8. C., Fountain Inn-Cotton Goods.—John F. Woodside and J. D. Woodside of Green-dile, S. C., plan organization of \$290,000 cotton-mill company.

8. C., Laurens-Cotton Goods. Cotton Mill Co. will be incorporated with \$400,000 capital stock by J. Adger Smyth, Jr., W. L. Gray, O. B. Simmons, W. H. Dial and

Tenn., Erwin-Cotton Goods,-W. C. Heath, president of Nolichucky Power Corporation, Monroe, N. C., advises Manufacturers' Rec-ord that no details have been arranged for erecting cotton mill previously mentioned.

Tenn., Knoxville-Knit Shirts, etc.-Standard Knitting Mills will, it is reported, build additional plant; now has 56 knitting machines, etc.

Tex., Cuero-Sheeting.-Cuero Cotton Mill cans reorganization and doubling capacity; ow has 5000 ring spindles, 160 looms, etc.

Tex., Fort Worth-Cotton Goods.-C. H. Bencini and W. G. Burton are interested in plans to organize \$250,000 cotton-mill company.

Sherman-Cotton Goods.-Sherm Cotton Mill incorporated with \$160,000 capital stock by N. B. Birge, Thomas Forbes, W. W. Birge and M. C. Dorset.

WATER-WORKS

Ala., Gadsden.-City will open bids August 4 for water-works station, filters, machinery and extension : Hazlehurst & Anderson, con sulting engineers, Atlanta, Ga.; W. T. Mur-phree, Mayor. (Recently mentioned. See "Machinery Wanted.")

Ala., Hartselle.—City votes August 8 on suance of \$28,000 of bonds for construction of water-works and electric-light plant; J. orsbie, Mayor. (Xavier A. Kramer, olia, Miss., recently noted to prepare

Ala., Mobile.-Wright Smith, City En er, is having preliminary surveys me extension of water-works system for city and suburbs.

Ark., Fort Smith.-Board of Public Affairs awarded contract to Municipal Engin & Construction Co., Chattanooga, Ten \$15,000 to lay additional water mains ttanooga, Tenn., at water mains; contract for piping awarded,

Ark. Leslie.-Leslie Light, Water & Power Ark., Lesiie.—Lesiie Light, Water & Power Co. will expend \$20,000 on water-works and electric-light plant construction; brick and concrete. (Franchise recently noted awarded to J. W. Vaughn and James F. Keiser, the latter of Little Rock, Ark.)

Fla., Gainesville.-City will install aux illary pumping station consisting of 1200 gallon centrifugal pump and 100 horse-power motor. Address C. A. Colclough, chairman water committee. (See "Machinery Wanted.")

Ga., Montezuma.-City voted \$5000 be for construction of water tower and other ents to water-works. Address The

Ga., Wrightsville.—City will open bids July oa., Wrightsville.—(ily will open bids July 21 for construction of water-works recently noted; cost \$25,000; Arthur Pew, engineer, 620 Temple Ct., Atlanta, Ga.; J. M. Black-shear, City Clerk. (See "Machinery, etc.,

Ky., Henderson.-Water Board plans of struction of reservoir to contain 6,000,000 gal lons of water; estimated cost, \$30,000; also considering construction of filtering plant.

Ky., Lexington.-Penitentiary Commission ers, Harvey McCutcheon, chairman, will open bids July 15 for construction of four-inch water main from House of Reform at Green-dale. Ky., and to connect with water mains dale, Ky., and to connect with water mains of any water company that can furnish sup-ply to Institution. (See "Machinery, etc.,

Ky., Leitchfield.-M. J. Cunningham, Mayor, advises that Oelze Bros. of Owensboro, Ky., have bought water and electric-light fran-chise and have two years to begin construc-tion of water-works plant; have right to commence electric-light plant this fall or early in August. (Recently noted.)

La., Lake Arthur,-City will install small water-works. Address J Streater, chief of fire department. (See "Ma-

Mo., a Dexter.-City is considering construction of water-works; engineer, Fuller-Company, Chemical Bldg., St. Louis, Mo.

Mo., Montgomery City.-City contemplates improvements to water-works; Company, Chemical Bldg., St. Louis, Mo., is

N. C., West Durham,-Erwin Cotton Mill Co. contemplates beginning construction of plant to furnish water for bleachery and town; normal capacity will be 1,500,000 gal-

Okla., Carnegle,—City will expend \$25,000 for improvements to water-works recently noted; 100,000 gallons capacity; improvements to in clude erection of 20x36-foot power-house, installation of 20x60-foot steel standpipe, horse-power engine, 10x10-foot compressor air-lift pump; Oklahoma Engineering Co., Anadarko, Okia., engineer in charge; will open bids July 20; S. F. Robohn, City Clerk. "Machinery Wanted.")

Okla., Fairview.-City is considering bond issue for extension of water-works previous-ly noted; cost about \$50,000; W. H. Wimpey,

Okla., Foraker.-City is having plans pre pared by F. H. Lancashire, Dallas, Tex., for water-works; W. L. Leaton, Town Clerk. (Bond Issue of \$25,000 recently reported voted)

Okla., Fort Sill.-Government awarded tract to Luyster & Lowe, Dayton, O., at \$26,-500 to construct water-works reservoir; Capt. David L. Stone, constructing quartermaster.

Okla., Mannsville.-City will vote on Issu ance of \$20,000 of bonds for constr water-works. Address The Mayor.

Okla., Sapulpa.-City will construct filtering plant in connection with construction of \$250,000 water system; surveys made; water will probably be secured from Rock and Pole Cat creeks; Harper & Goodwin, Kansas City, Mo., are engineers. (Recently mentioned.)

Okla., Yukon.-City voted issuance of \$30, 000 of bonds for construction of water-works, Address The Mayor. (Burns & McDonnell, Kansas City, Mo., recently reported as pre-paring plans and specifications.)

S. C., Honea Path.—City has engaged J. B. McCrary Company, Atlanta, Ga., to make surveys and estimate cost of construction of water-works.

Tex., Abilene.-City will vote July 19 o \$7000 bond issue for enlargement of water mains on principal streets. Address The Mayor.

Tex.. Brady.-City is proceeding with improvements to water-works previously men-tioned, including laying of larger cast-iron mains, erection of 200,000-gallon steel elevated tank, drilling of additional well and installa tion of well pump; tank is now in course of on or wen paint; tank is now in com-onstruction and located 136 feet above ess district; additional machinery is installed in electric-light plant; both water and electric-light plants are operated as one plant. Address The Mayor. (Previously

Tex., Gordon,-Gordon Water, Light & Ice Co. Incorporated with \$5000 capital stock J. J. Rice, R. L. Eaton and W. S. Dawson.

Tex., Hamilton.—City will have plans and pecifications prepared by F. H. Lancashire, Dollag Tex. water-works: estimated st \$15,000; E. A. Perry, Mayor.

Tex., Quanah.—City will construct masonry dam: bids to be opened July 26: engineer, Fountain-Shaw Engineering Andrews Bldg., Dallas, Tex.; J. B. Rot (Recently mentioned on, City Secretary, See "Machinery Wanted.")

Tex., Munday.-City voted issu of water-works bonds. Address The

Tex., Port Arthur.-Port Arthur Water Co capital stock

Tex., Seymour .- E. L. Dalton, Dallas, Tex. engineer in charge of city water-works nstruction; contract recently noted award; 31x51-foot building to be erected; weli 25 feet deep, 16 feet diameter; \$25,000 to be expended.

Va., Lynchburg.-Virginia State Epile Colony, Dr. A. S. Priddy, executive officer, will invite bids for construction of system to pipe water across river from city. C. L. De Mott of Lynchburg will make surveys.

Va., Norfolk.-City is having surveys made for proposed location of new water supply. Nicholas S. Hill of New York has been re-tained as advisory engineer.

W. Va., Keyser.-City will vote July 25 on issuance of \$30,000 of bonds to construct sub-sidiary reservoir of 26,000,000 gallons capacity. Addres s The Mayor. (Bond issue recently entioned was defeated.)

WOODWORKING PLANTS

Ark., Brighton-Boxes.-H. J. Scott chased National Box Co.'s plant and timbe properties; cost \$25,000; will manufacture niscellaneous timber products; no further machinery needed.

Texarkana-Chair Backs.-Campbell & McClinton Company, Bloomberg, Tex., will establish hardwood chair-back factory.

Fla., Brooksville - Veneer, Crates, etc. O. Reagan (former manager Hoopes, Brother & Darlington supply planti-is interested with others in organization of company to convert mill formerly operated by that firm into veneer, crate, carrier and hamper factory; suitable machinery to be installed; also contemplated to handle oak, ash and other timbers; W. E. Law and W. A. Fulton also members of company.

La., Lake Charles - Furniture. - Whitfield Furniture Co. incorporated with \$20,000 capitai stock; John E. Whitfield, president; J M. Ragland, vice-president; Sidney J. Holler, secretary.

La., New Orleans-Furniture, etc.-R. L. Schmidt incorporated with \$20,000 capital stock to manufacture furniture, household articles, etc.

Miss., Newton - Spokes .- Batesville Manufacturing Co., C. B. Varner, president, Bates-ville, Miss., has purchased machinery for spoke factory recently noted; reported daily capacity 10,000 club-turned spokes.

Miss., Yazoo City-Furniture.-Delta Chair & Table Co., incorporated with \$30,000 capital stock, will open bids at once for erection of 60x160-foot building; machinery mainly purhased; E. S. Willia Machinery Wanted.") S. Williams, secretary.

Mo., Louisiana.-Louisiana Stave & Head-

ing Co, will establish stave factory; building 60x200 feet.

Okla., Osage - Desks. etc. - George Okais, Osage – Desks, etc. – George L. Schoonover, Anamosa, Iowa, may be addressed relative to establishment of W. M. Welch Osage School Desk & Furniture Factory recently noted; will manufacture desks and other school furniture.

Okla., Okmulgee-Sashes and Doors.—Okmulgee Sash & Door Co. incorporated with \$10,000 capital stock by W. E., A. L. and James T. Pancoast.

Knoxville - Mantels. -Mantel Manufacturing Co. will remove plant to Oakwood; main building will be four sto-ries, 60x180 feet; total cost, including ma-chinery, \$15,000 to \$20,000; capacity, 15,000 mantels annually.

Tex., Fort Worth-Wagons.-Heaton Wagon Warren Heaton, president, Neosho, Mo., nferring with Board of Trade relative to stablishment of wagon plant.

Tex., Honey Island-Veneer, Crates, Lumber Manufacturing Co., Williams, president, San Antonio, Tex., adding veneering plant and crate and be factory to saw and planing mill pl Honey Island. (Recently mentioned.)

Tex., Honey Island-Staves.-Groce & Eglin, Galveston, Tex., purchased oak timber on about 8000 acres of land; will erect mill for

Tex., Jacksonville-Crates, etc.-George T. Avery will establish factory to manufacture crates, columns, etc.; will erect two 20x40foot two-story buildings; construction ; install woodworking machinery. (See 'Machinery Wanted.")

Va., Richmond-Boxes.-Richn Lumber Co. incorporated with \$15,000 capital stock; L. C. Crenshaw, president; William Barham, vice-president; W. D. Browning, secretary-treasurer.

Va., Suffolk-Barrels, etc.-Farmers' Man facturing Co., Norfolk, Va., will establish plant for manufacturing vegetables and fruit

Va., Morgantown-Church Furniture, etc.-Burchinal & Co. incorporated with \$5000 capital stock by Ira G. Burchinal and Roy F. Weaver of Morgantown; Walter L. Love, Clarksburg, W. Va., and others.

BURNED

Ala., Dadeville.-Sanford Milling & Manufacturing Co.'s plant; loss \$6000,

Ala., Mobile.—Southern Transfer & Stor-ge Co.'s building at 62 South Commerce St. building owned by Meyer & Jossen; loss \$30,000

Ark., Tuckerman.-Residence of J. M. Lindsident of Bank of Tuckerman; loss

La DeRidder - Hudson River Lumber Co's

Md. Baltimore.-Amusement buildings Luna Park, Baltimore St. and Garrison Ave., owned by Luna Park Amusement Co., 435 Equitable Bldg.; loss \$30,000.

Miss., Barnett.-Cob Lumber mpany's office at Meridian, Miss.

Miss., Booneville.-Hill Bros.' store; W. L. Ellington's Market; Southern Express Co.'s ; loss \$10,000.

S. C., Charleston.-A. R. Tomlinson's buildings, loss \$15,000; T. A. Wilbur & Son'e build-ing, loss \$10,000; Bailey-Lebby Company's store, building owned by J. M. Visanska, loss \$12.500 : Marshall-Wescoat Hardware illding, loss on building, owned by Gregg state, \$10,000; P. E. Trouche's building, loss buildb

monsville.-King Hotel, loss \$15,-000; Hill Bros.' store, loss \$3000,

Tenn., Nashville.-American Candy & Confectionery Co.'s plant; loss \$30,000.

Tex. Abilene -Stuart Logan's residence loss \$4500; dwellings of J. M. Brally, S. P Elliott and Calvin Mills, loss \$6000.

Tex., Brownwood.—L. N. Neel's store, loss n building, owned by W. D. McCulley, \$6000. Tex., Dallas.—San Jacinto school, in East Dallas; loss \$35,000. Address The Mayor.

Tex., Granger.-Fraser-Meyer Brick Co.'s machinery department; loss \$10,000.

Tex., El Paso.-El Paso Dairy Co.'s plant. vned by J. A. Smith; loss \$9000

Tex., Houston.-Building at Franklin Ave. and Travis St., owned by Mrs. Sarah B. Jones and Mrs. Charles Miller, loss \$7500; John H. Lang estate's building at 209-11 Travis St., loss \$18,000; A. Franklin's building at 906 Franklin Ave., loss \$10,000; Josie E. Bell's building at 908 Franklin Ave., loss

Va., Relee.-Columbia Cotton Oil & Provi-

sion Co.'s abattoir, boiler-house and power plant; loss \$200,000.

Va., Petersburg.—Peanut factory own James Chieves of New York; loss \$3000.

Va., Bluemont.-Blue Ridge Mountain Inn; loss \$20,000; owned by Jules Demonet, Connecticut Ave. and M St. N. W., Washington

BUILDING NEWS

BUILDINGS PROPOSED

APARTMENT-HOUSES

Ala., Birmingham.-A. P. Tyson will erect sartment and store building; two stories; st \$24,000; lower floor stores, upper floor

D. C., Washington.—Edwin M. Dulin, 1270 H St. N. W., has plans by A. H. Beers, 1342 New York Ave. N. W., for six business and apartment buildings at North Capitol and Channing Sts.; obsidian brick; 56x85 feet; North Capitol St. frontage will contain five-room-and-bath apartments above stores.

D. C., Washington,-Lester F. Barr, The Syoming, is planning to erect apartouse on Columbia Rd. N. W.

D. C., Washington.—C. E. Webb, architect, Warder Bldg., is receiving bids for erection of apartment-house and store building at 7th and S Sts. N. W.

Fla., Jacksonville.-Farber Burbridge will erect store and apartment building: two sto ries; brick; three stores on lower floor; u floor apartments; 60x76 feet; cost \$10,000

Savannah.-Geo, S, Van Horn will erect three-story apartment-house

Md., Baltimore.-Frederick Shaw, superintendent of Metropolitan Life Insurance 501 North Eutaw St., will erect apartme house at 13th St. and Walbrook Ave.

Md., Baltimore.-H. G. Jarvis has plans by Md., Baltimore.—H. G. Jarvis has plans by A. L. Forrest, 216 Professional Bidg., Balti-more, for apartment-house at Garrison and Belle Aves., Forest Park; three stories; cost \$12,000; W. Childs, 16 West 20th St., Balti-more, is reported estimating. (Previously

Md., Baltimore.-Estate of Isaac S. George, 10 East Fayette St., has plans by W. Foreman, 215 Courtiand St., Baltimore, store and apartment building at Maryli Ave. and 20th St.; three stories and breaches.

Md., Westernport.-Howard C. Dixon will expend \$18,000 to erect apartment and store building recently noted; 58x80 feet; three stories and basement; reinforced concrete construction; composition roof; steel cellings; plate and prism glass; plans by Holmboe & Lafferty, Clarksburg, W. Va.

Mo. St. Louis.-Herman H. and Emil Meinoltz will erect apartment-house.

N. C., Charlotte.-United Developm apartment and hotel building. (See "Hotels.")

Tenn., Memphis.-H. R. Bynum, 40 Byrd Bidg., will erect apartment-house; three sto-ries; two wings; 90 apartments of four and five rooms; floor space 300x400 feet; cost

W. Va., Wheeling .- A. A. Wheat will not erect apartment-house, as recently stated.

ASSOCIATION AND FRATERNAL

Ky., Morganfield.—Ancient Free and Accepted Masons will erect temple to replace epted Masons will erect temple to replace urned structure; pressed brick and stone front.

Ancient Free and Accepted Masons will erect temple; 35x70 feet; pressed brick; two stories; cost \$4500.

Md., Hagerstown,-Norfolk & Western Railroad, C. S. Churchill, chief engineer, Ros-noke, Va., will remodel railroad branch Y. M. C. A. building and erect addition.

S. C., Columbia. — Young Men's Christian ssociation, C. P. Younts, general secretary. will erect \$100,000 building on site 90x208 feet architect not selected. (Recently incorrectly noted as having plans prepared by Wilson, Sampayrac & Urquhart, Columbia.)

Tenn., Ducktown.—Young Men's Christian Association building will be three-story frame structure; 85x120 feet; steam heat; first floor to contain barber shop, lockers. bathrooms, swimming pool, pool and billiard rooms and bowling alleys; second floor, lobby, reading and classrooms, office, kitchen, pan-try, gymnasium, 50x50 feet, and auditorium with senting capacity for 450; third floor, dormitory for 14 men; engineers and labor furnished by Tennessee Copper Co.; G. C. Minor, general secretary. (Recently noted.) Accepte; New Frat stru ing

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Tex., Cuero,-Ancient Free and Accepted Masons will erect temple; brick construction Tex., Mexia.-American Woman's League

will erect \$4000 concrete chapter-house

Va., Clarksburg .-- Ancient Free and Accepted Masons are arranging to erect temple; four stories; cost over \$50,000; Frank Wells Clark, Grand Master of West Virginia, New Martinsville, W. Va.

W. Va., Bluefield.—Bluefield Aerie No. 857, Fraternal Order of Eagles, will not erect structure recently noted; will occupy building already erected.

BANK AND OFFICE BUILDINGS

Ala., Birmingham.—E. F. Anderson will re-nodel six-story office building at 308-310 21st St.: cost \$6300.

Ark., Arkadelphia.--Arkansas Land Co., W. Wilson, secretary, contemplates erection bank building. (See "Land Developments."

D. C., Washington.-J. H. De Sibour, Hibbs Bidg., Washington, is preparing plans for office and theater building. (See "Thea-

Fla., Tampa. - American National Bank Fla., Tampa. — American National Bank contemplates making improvements to bank building, including two additional stories, and installation of larger elevator; addition will provide about 45 more rooms; estimated

Ga., Atlanta.-Estate of Mrs. Harriet E. Hayden, Mrs. Leslie Thrasher, executor, will erect office building at Marietta and Cone Sts.; three stories; concrete; site 109x114 feet; estimated cost \$50,000.

Ga., Fayetteville.-S. F. Bialock has plans Ga., Fayetteville.—8, F. Bialock has plans by A. F. N. Everett, English-American Bidg., Atlanta, Ga., for bank and store building; one story and basement; brick; piate-glass fronts; tile floor; tar and gravel roof; terraopened July 8.

Md., Baltimore.-John R. Bland, president United States Fidelity & Guaranty Co., will receive bids until July 25 for erection of addi-tion of office building; complete set of plans and specifications will be furnished upon written application, accompanied by check for \$25, \$7.50 of which will be retained and balance refunded; each bid to be accompa-nied by certified check equal to 2 per cent. of bid; Otto G. Simonson, architect, 1210-1211 American Bidg., Baltimore. (Further facts recently mentioned.)

Mo., Kansas City.—George S. Myers will erect two-story office and store building; estimated cost \$50,000.

N. C., Wilmington. — American National Bank purchased building on North Front St. and will expend \$7000 on improvements; cost of building, \$27,000. (See "Machinery Wanted,")

Okla., Oklahoma City.-James OKIA., OKIAhoma City.—James Weaver, owner of property at Main St. and Harvey Ave., and Campbell & O'Keefe, contractors, are considering erection of 16-story office building to cost \$600,000.

Tenn., Knoxville.-Holston National Bank has plans by John K. Peebles, Law Bldg., Norfolk, Va., for bank and office building; 12 stories and basement; 40x150 feet; exterior walls and interior finishings (wainscoting, floors, etc.) of marble; marble columns in front; marble and bronze counter in bankingroom; burglar and fireproof vaults; three elevators; fireproof stairway; second floor may be used as arcade; upper floors for offices; each office to have lavatory; estimated cost \$350,000. (Previously mentioned.)

Tex., Abilene. — Farmers and Merchants' ational Bank will remodel building; cost

Tex., Bastrop.—Citizens' State Bank has plans by J. L. Wilbarger & Co., Bastrop, for bank and office building recently noted; 22½x 50 feet; ordinary construction; electric lightst \$4000.

W. Va., Kenova.-Kenova Banking & Savings Co. has plans by J. R. Gleske, Ceredo, W. Va., for bank building previously noted; 25x72 feet; hot-water heat; electric lighting; cost \$8000.

W. Va., Romney.-First National Bank expend \$9000 to erect proposed bank building; 24x45 feet; two stories and basement; common and pressed brick; cut stone; tile floor; vault and door; galvanized-iron cornice; copper dome; structural steel; hard-wood floors; gas and electric lighting; steam heat; bids invited; plans by Holmboe & Laf-ferty, Clarksburg, W. Va. (Recently noted.)

W. Va., Martinsburg.-Old National Bank invites bids for remodeling structure; tile floors; structural steel; plate glass; ornamental iron; cost \$5000; plans by Holmboe & Lafferty, Clarksburg, Va.

CHURCHES

D. C., Washington.—St. Stephen's Protest-soft Episcopal Church, Rev. George Fiske Dudley, pastor, has plans by W. N. Dudley, 45 Cornhill St., Boston, Mass., for stone addin to edifice previously noted; 52x52 feet; ry construction; cost \$20,000; opened.

Fla., Tampa.—Methodist Church will erect mission church in West Tampa at cost of \$7500; John Trice, C. E. Harrison and others are trustees.

Fla., Key West.-Memorial Church, Rev T. H. Sistrunk, pastor, has plans by T. W Bryan (address, care of Mr. Sistrunk) for edifice recently noted; 50x70 feet; fireproof construction : electric lighting : cost \$12,000 : construction will not begin until first of No

Ga., Hazelhurst. — Methodist Episcopal Church South, Rev. G. F. Austin, pastor, will probably open bids in August for erection of edifice recently noted; main auditorium, \$2x\$5 feet; Sunday-school room, 55x35 feet; brick; fireproof construction; heating and lighting not decided; cost \$12,000; plans by G. C. Thompson, Candler Bldg., Atlanta, Ga.

Ga., Augusta.—Woodlawn Methodist Epis-copal Church South, Rev. G. F. Venable, pas-tor, will expend \$18,000 to erect edifice re-cently noted; architect not selected; W. H. Ellis, 1303 15th St., Augusta, may dressed. (See "Machinery Wanted.")

Ky., Louisville.-McDonald & Dodd, archi teets, Louisville, will receive bids until July 25 for erection of edifice for First Christian Church, Dr. E. L. Powell, pastor; cost \$150,-000, exclusive of furnishing. (Recently mentioned.)

La., Jena.-Presbyterian congre templates erection of edifice. Address The Pastor, Presbyterian Church.

La., Mansfield.-Baptist congregation will erect edifice to cost \$15,000. Pastor, Baptist Church.

Md., Baltimore.-Maryland Avenue Pres terian Church, Maryland Ave. and West 25th St., north, has plans by Haskell & Barnes, 407 Wilson Bldg., Baltimore, for organ chamber and several additional rooms; cost \$4000 to \$5000.

Md. Baltimore. - Methodist Episcopal Church South appointed committee ecing of F. M. Howell, 924 West North and others, to confer with architects relative to plans for proposed edifice to be erected at Charles-Street Ave. and University Parkay; estimated cost \$150,000

Mo., Kansas City.—City Extension Society of Methodist Episcopal Church will erect Martha Slavens Memorial Church; J. F. Odom will be paster.

N. C., Morven.—Methodist Church will have plans prepared by L. H. Asbury, Charlotte, N. C., for edifice; seating capacity, 500; cost

S. C., Bishopville,-Geo, McCutcheon be addressed relative to erection of \$12.00 church building. (See "Machinery Wanted.")

Tenn., Huntingdon.—Methodist Episcopal Church South, Rev. R. M. Walker, pastor, has begun erection of edifice to cost \$7000. (Previously mentioned.)

Tex., Waco.-Brook Avenue Baptist Church, Charles P. Chandler, pastor, contem-

Va., Danville.-First Presbyterian Church Is having plans prepared by R. H. Hunt, James Bldg., Chattanooga, for edifice re-cently noted; reinforced concrete; terra-cotta trimmings; tin roof; steam heat; gas and electric lighting; cost \$60,000.

Va., Fredericksburg -Methodist congrega tion will erect Sunday-school; cost \$5000 30x72 feet; cement and brick; steam heat probably electric lighting; plans and con struction by E. G. Heflin, Fredericksburg.

Va., Richmond.-Venable Street Baptist congregation is having plans prepared for addition to edifice; probably low-pressure steam heat; electric lighting; cost \$12,000; will open bids July 20. Address proposals to J. R. Johnson.

Va., Warrenton. - Methodist Episcopal Church South has plans by G. R. Ragan, Salem, Va., for edifice previously reported; 58x82 feet; brick; cement; stone trimmings; slate roof; low pressure steam heat; electric cost \$20,000; will also erect parsontighting: age 24x48 feet.

CITY AND COUNTY

Ala., Corey.-Warren & Welton, architect Aia., Corey.—Warren & Weiton, architects, Birmingham, Ala., are preparing plans for \$200,000 worth of improvements, including civic group of five municipal buildings, city gates, exedras, fiag standards, etc.

Ala., Florence-Jail.-Commissioners' Court

of Lauderdale county, J. L. Houghston, pro-bate judge, will open bids August 2 for erec-tion of county jail recently noted; two sto-ries; brick and stone; 46x79 feet; fireproof construction; indirect steam heat; electric lighting; cost \$20,000; certified check for \$500; plans by Smith & Carter, Montgomery, Ala.

D. C., Washington.—Library Commission, Charles J. Bell, chairman, Pennsylvania Ave. and 13th St. N. W., has plans by Marsh & Peter, 520 13th St. N. W., Washington, for Takoma Park Branch of Public Library.

Ga., Atlanta-Sanitarium.—City will re-ceive bids at office of W. T. Downing, archi-tect, 525 Grant Bidg., Atlanta, for erection of tuberculosis sanitarium; plans and speci-fications on file at architect's office as above may be had on deposit of \$10.

Ga., Augusta — Engine-house, — City has plans by G. Lloyd Preacher, Augusta, for proposed engine-house at 15th 8t. and Walton Way: bulk of building stud portion and roof red tiling; Span

La., Baton Rouge-Jail.-East Baton Re Parish Police Jury proposes issuance of \$200,-000 for erection of county jail, courthouse,

La., New Orleans-Engine-house,-City will erect engine-house at Iberville and Alexander Sts.; brick and stucco; cost \$16,000; W. J. Hardee, City Engineer. (Previously noted.)

La., New Orleans-Art Museum.-Adminis-trators of Isaac Delgado Museum of Art have olans by Lebenbaum & Mark, 5009 Lake Ave., plans by Lebenbaum & Mark, 5009 Lake Ave, Chicago, Ill., for art museum; Greek style; Bedford ashlar of buff; lower half of roof semi-glazed soft green tile, upper portion glass and metal; carved terra-cotta panels in front elevation; metal front entrance door electroplated in initation bronze; hard plas-ter walls and cornices; scagliola shafts and balusters; floors and stair landings of hall markle and tile mosale; double skylights for marile and tile mosale; double skylights for second floor rooms; steel-frame construction; concrete foundations; plaster walls covered with asbestos paper; hot-air heat; fan and exhaust system of ventilating; clevator; 426,000 cubic feet floor space, exclusive of 226,000 cubic feet floor space, exclusive lecture hall of 36,100 cubic feet; cost \$12 000. (Further details previously noted.)

Md., Baltimore—Market.—City will expo bout \$12,000 for improvements to Bel Market, including new system of lighting, reairing roof, paint interior and exterior, Edw. Preston, Inspector of Buildings, City Hall.

-Shed.-Board of Awards addressed "Proposals for Md., Baltimore—Shed.—Board of Awards will receive bids addressed "Proposals for shed at 1056-58 Granby St." until July 20 at of J. Sewell Thomas, City Register. Tity Hall; certified check for \$100, payable o Mayor and City Council; drawings and pecifications on the at office of Edward D. Preston, Inspector of Buildings; J. Barry Mahool, Mayor.

Miss., Marks.—Quitman County Supervis-ors, Beleu, Miss., will receive plans until August 1 for courthouse and jail. (See 'Courthouses.")

Okla., Oklahoma City-Fire Station .-Okia, Okianoma City—Fire Station.—Bob Parham, City Clerk, will receive bids until July 25 for erection of Walnut Ave. Fire Sta-tion No. 2; two stories and a half and base-ment; 50x100 feet; certified check for 3 per cent. amount of bid; plans and specifications at office of City Clerk and of Building Com-missioner, or may be had on deposit of \$10. (Previously mentioned.)

Tenn., Knoxville-Exposition Building. nex County Commissioners appropriated 900 for erection of county building at Appalachian Exposition

Nashville — Hospital. — Davids County Asylum Commissioners, at office of John F. Gaffney, chairman, 329½ Fourth Ave. North, will receive bids until July 16 for Ave. North, will receive bids until July 16 for erection of annex; bids to be on departments separately; certified check for 5 per cent. amount of bid; plans and specifications at office of Asmus & Norton, architects, 72-74 Cole Bldg., Nashville

Va., Martinsville.—Henry County Supervis ors, J. H. Matthews, clerk, will receive bid-until July 25 for erection of brick and rein forced-concrete jail; certified check for \$500 payable to Mr. Matthews; plans and specifi-cations on file at office of Huggins & Bates, architects, Roanoke, Va., or limited number may be had from clerk on deposit of \$50; also will receive bids at same time for pur chase of old building and contents and re-moving from present site. (Previously men-

COURTHOUSES

Fla., Sumterville.-Sumter County Commis-

000 of bonds to erect courthouse and jail, etc. (Previously mentioned.)

La., Lake Charles.—Calcasieu Parish Police ury will erect \$155,000 courthouse. (Previously mentioned.)

Miss., Bay St. Louis,-Hancock County 8 ervisors will receive bids until August 1 for pervisors will receive bids until August 1 for erection of proposed courthouse; cost not to exceed \$25,000; certified check for \$500; plans and specifications on file at office of E. H. Hoffman, clerk, Bay St. Louis, or Keenan & Weiss, architects, 516 Hibernia Bank Bidg., New Orleans, La.

Miss., Lucedale.—George County Supervis-rs authorized \$40,000 bond issue to erect courthouse

Miss., Marks.—Quitman County Supervisors, Beleu, Miss., will receive plans until August 1 for proposed courthouse and jall; cost \$30,000; I. C. Denton, clerk.

DWELLINGS

Ala., Birmingham.—Crawford Johnson is having plans prepared by W. Leslie Welton, Birmingham, for dwelling; cost \$20,000.

Ala., Birmingham,-J. V. Shaefer has plans Warren & Welton, Birmingham, for dwelltwo stories; cost \$10,000.

Ala., Mobile -8 E. Dunree & Son will erect ce; two stories; frame; cost \$6000

C., Washington.-David L. Rust, Jr., 100 H St. N. W., will erect two detached houses on Chevy Chase Terrace; Il rooms and two baths each; hot-water heat.

D. C., Washington,-Sidney L. Taliaferro, Frank H. Thomas Company, 211-13 Evans Bldg., will erect three dwellings on Chevy Chase Terrace.

D. C., Washington.—H. R. Howenstein, 1314 F St. N. W., has plans by H. A. Bright, 622 Maryland Ave. N. W., Washington, for two two-story brick dwellings at 907-99 5th St. N. W. : cost \$7500.

D. C., Washington.-William L. Stewart. Evans Bidg., has plans by William J. Palmer, Warder Bidg., Washington, for four two-story frame stores and dwellings at 1138-40 7th St. and 633-35 Florida Ave. N. E.; ec

D. C., Washington,—Richard Ough & Son, 1202 Wisconsin Ave. N. W., will erect eight dwellings at 2801-15 Window Pl.; two stories; brick; cost \$24,000.

Washington.-H. L. Christman, The Pines, Md., has plans by W. J. Simmons, 1719 New Jersey Ave. N. W., Washington, for six dwellings at 1600-10 Rosedale St.; two sto-ries; brick and frame; cost \$10,000.

Fla., Jacksonville.-Herbert B. Race will ight-room dwelling; brick and stucco; cost \$7000.

Fla., Jacksonville,-Duval Realty Co. will ect three two-story brick-veneered dwellings; cost \$6500.

Fla., St. Petersburg.-II. W. Hibbs has plans by Edgar Ferdon (address care of Mr. Hilbbs) for dwelling and store recently noted; two stories; 40x80 feet; cement blocks; lower floor two stores; dwelling above; cost \$6000.

Fla., Tampa.-J, R. Tatum has plan A. Nolan, Tampa, for residence in Hyde Park.

Fla., Tampa.—Manager Dyal of Zephyrills Colony has plans by E. A. Nolan, Tampa, for residence in Hyde Park.

Ga., Atlanta.—Pittman Construction Co., Rhodes Bldg., will erect \$15,000 dwelling; brick veneer; steam heat; gas and electric lighting; plans and construction by owner.

Ga., Atlanta. - Miss Lang, 602 English-American Bldg., will open bids July 15 for erection of dwelling; six rooms; frame and plaster; hot-water heat; electric lighting; cost \$3000; plans by A. F. N. Everett, \$61 English-American Bldg., Atlanta. Address chitect

Ga., Augusta.—J. Golden will erect resi-ence; two stories; frame; cost \$5000.

Ga., Cordele.—O. M. Heard will erect residence; eight rooms; brick veneer; cost \$7500; plans by T. F. Lockwood, Columbus, Ga.

Ga., Cordele,-A. H. Edwards will erect \$3500 residence.

Ga., Cordele,-O. T. Gower will erect \$19,900

Ga., Fairburn.-Henry McCurry has plans by John C. Battle, Grant Bldg., Atlanta, Ga., for dwelling; frame; porches; fireplaces; electric lighting; cost \$2500.

Ga., Fayetteville .- S. F. Blalock has plans by A. F. N. Everett, English-American Bldg., Atlanta, Ga., for seven-room bungalow; brick foundation; frame; Spanish style; cost \$3000.

sioners plan erection of courthouse.

La., Baton Rouge. — East Baton Rouge
Parish Police Jury proposes Issuance of \$200,feet; brick; tile roof; fireplaces; gas and

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electric lighting; promenade tile terraces; porches; hardwood floors; brick mantels; plans by C. E. Choate, 629 Candler Bldg., Atlanta, Ga

Ga., Sayannah.-T. A. Bryson will not for r at Beaulieu recently noted.

La., New Orleans.—M. Feltel will erect touble frame residence; cost \$4500.

La. New Orleans.-W. G. Rareshied will erect two-story frame dwelling; cost \$7000

La., New Orleans.—Mrs. M. Sullivan will dence rect two-story residence; cost \$3900.

La., New Orleans .- Mrs. John Vogel will dence

La., New Orleans.-John J. Bahr will erect cost \$3000

nce; double; two stor La., New Orleans.—Mrs. R. S. Bayhl will erect single \$3000 residence.

Md., Baltimore.-Walter S. Keenan, 1 Allen Ave., will erect three dwellings; two stories; et \$4950

Md., Baltimore.-R. H. Lvon, 1715 Madison Ave., has plans by Walter M. Gleske, Gu ther Bldg., Baltimore, for cottage on Rosl Ave.; two and a half stories; stucco sh gles and half-timber exterior; cypress inte rior: stone foundation: cost \$7000

Md., Baltimore.-Mrs. D. M. Llst, 4800 Pimlico Blvd., awarded contract to James Smith, Woodland Ave., near Pimlico Blvd., for erection of two-and-a-half-story frame dwelling at Denmore Park; plans by Henry J. Tinley, 314 North Charles St., Baltimore.

Md., Baltimore.-Walter L. Westphal, 1700 North Bond St., will erect 30 dwellings on Catherine St., near Baltimore St.; two sto-ries; 13x45 feet; cost \$40,000.

Md., Baltimore. A. W. Burdette, 1950 West Fnyette St., has plans by Henry J. Tinley, 314 North Charles St., Baltimore, for seven dwellings at North and Slingluff Aves.;

Md., Baltin - William T. Schindle Ellamont and Elgin Aves., has plans by Henry J. Tinley, 314 North Charles St., Bal-timore, for two-and-a-half-story frame cot-tage on 10th St.; steam heat; tile bath; hardwood floors; cost \$4500,

Md., Baltimore.—John J. Carlin, 215 St. Paul St., has pinns by Stanislaus Russell, Clifton Ave. and 7th St., Baltimore, for two rellings on Windsor Ave., between 7th and Sts.; 15x60 feet and 16x60 feet; two stories; brick; slag .oof; hot-water heat; cost \$4000 : construction by owner.

Md., Baltimore.-Henry Worthington, 2111 North Calvert St., is having plans prepared by Herbert C. Aiken, 223 St. Paul St., Balti-more, for residence at Hawthorn and Cars-dale Aves.; two and a half stories; frame; 32x33 feet : cost \$5000.

Md., Baltimore.-Charles Struven, 114 South Leonard St., has plans by Arthur Nicholson. Ferndale Ave., Howard Park, Baltimore, cottage on Duval Ave.; two and a half ries; 32x38 feet; cost \$4800.

Md., Baltimore.—J. A. Caufman has plans by Herbert C. Aiken, 223 St. Paul St., Balti-more, for \$6000 residence at Liberty Heights and Berwyn Ave

Md., Roland Park.-William G. Nolting will erect residence; two and a half stories; frame; plans by Wyatt & Nolting, Keyser Bldg., Baltimore, Md.

Md., Roland Park.—James E. Mason has lans by Wyatt & Nolting, Keyser Bidg., plans by Wyatt & Nolting, Keyser Bldg., Baltimore, Md., for cottage; two and a half stories · frame.

Md., Westernport.-Howard C. Dixon has plans by Holmboe & Lafferty, Clarksburg, W. Va., for remodeling dwelling and store; 52x45 feet: two stories; frame; composition roof; brick mantel; cost \$5000.

Miss., Hattlesburg.-H. A. Camp will erect

Mo., Kan is City.-Thomas I. McNai erect residence; stucco; two stories; cost \$6000.

Mo., Kansas City.-John H. Goodwin will erect stone veneer dwelling; cost \$8000.

Mo., Kansas City.-Ingraham D. Hook will

Tenn., Chattanooga.-F. G. Volgt, 9th and Market Sts., has plans for six-room dwelling; two stories; brick; tin roof; hard pine in-terior finish; cabinet mantels; heating plant not decided; cost \$4000; day's work.

Tenn., Johnson City.-S, N. Haws (not 8 N. Daws as recently incorrectly stated) will erect dwelling. (See "Machinery Wanted.")

Tenn., Nashville.-T. W. Crutcher will erect \$4500 brick residence

Tex., Dallas.-J. Early Lee will crect \$10,-

Tex., Dallas.-J. T. Elliott will erect \$8000

Tex., Houston.-Edgewood Realty Co. will erect two seven-room, two eight-room, two five-room, one three-room and one four-room residence: cost \$13,400.

Va., Bristol .-- Joseph E. Lockett, State St., will erect residence

Va., Bristol.-J. E. McCrary will erect resi-

Va., Bristol.-J. A. Stone will erect resi-Va., Bristol.-T. C. Adams will erect resi-

Va., Bristol.-Raymond Spurgeon will erect

Va., Fredericksburg. — D. Montague will open bids July 25 for erection of bungalow; 43x38 feet; one story and attic; ordinary construction; rough siding and shingles; hot water heat; plans by Phillip Stern, Fred-

Va., Norfolk.-M. Lankford will erect resi-; brick ; cost \$6500.

Va., Richmond.-Mrs. Cora B, Watkins will t two-story detached brick dwelling;

Va Richmond -Cora R Watking will erect ched dwelling; two stories; brick; co

Richmond.-S. G. Meredith will ex pend \$12,000 to erect four seven-room dwellings recently noted; mill construction; Latrobe stoves; gas and electric lighting; clans and construction by owner; later con-emplates erection of 20 seven-room dwellings.

Va., Richmond.-E. P. Cathcart will erect tached dwellings; two stories; frame;

ond.-Walter Kidd has plans carborough & Howell, Richmond, for resicost \$10,000; contractors estimating dence : J. J. Tignor, C. H. Nicholson and Aubr

Warrenton. - Methodist Church South has plans by G. R. Ragan, Salem, Va., for parsonage. (See "Churches.")

W. Va., Clarksburg.—Dr. Luther Haymond as plans by Holmboe & Lafferty, Clarksburg, pr. bungalow: 30x40 feet, frame, ablanta for bungalow; 30x40 feet; frame; shingle roof; hardwood floors; hot-water heat; gas and electric lighting : cost \$4000.

Va., Keyser.-8. W. Moore of Elwell, W Va will erect residence

GOVERNMENT AND STATE

Ala., Troy - Postoffice. - Algernon Blair, Montgomery, Ala., is lowest bidder at \$12,900 for erection of United States postoffice; James Knox Taylor, supervising architect, Treasury Department, Washington, D. C. (Recently mentioned.)

D. C., Washington-Engraving Building. ommission of Fine Arts, D. H. Burnham, chairman, Chicago, Ill., approved plans for proposed building for Bureau of Engraving and Printing; structure will be 850 feet long; four stories in height; classic architecture; granite front; gridiron shape; cost \$1,750,000; bids for construction may be invited about September; plans prepared in office of James Knox Taylor, supervising architect, Treasury Department.

Tex., Dallas-Fair Building.-State Fair Commission, E. J. Klest, president, will erect additional agricultural building; 30x200 feet brick and cement stone; cost \$10,000 to \$15, 000 : also kennel building : frame : 20x200 feet.

HOTELS

Ala., Troy.-T. M. Mabson will open bids July 15 for erection of hotel recently noted: Skyl20 feet; ordinary construction; steam heat; electric lighting; cost \$20,000; plans by Frank Lockwood, Montgomery, Ala. Address architect.

Ark., Arkadelphia.-Arkansas Land Co., P. Wilson, secretary, contemplates erection of \$50,000 hotel. (See "Land Developments.")

Ark., Hoxie,-Mrs. John S. Gibson is having plans prepared by J. S. Crook, Walnut Ridge, for remodeling Boas Hotel; cost \$10,000.

Ark., Texarkana.—J. M. Johnson of Ashdown, Ark., will erect three-story brick hotel; receive bids until July 25.

Fla., Fort Pierce.-Sebastian & arms Railroad Co. will erect \$20,000 hotel. (See "Land Development.")

Md., Baltimore.-John Nixon, 312 Fayette St., will practically rebuild Nixon's

N. C., Charlotte.-United Development Co with \$25,000 capital stock by

Tex., Dallas.—H. H. Hartman will erect Paul Chatham, W. S. Lee, Sr., and N. A. Cooke; will erect hotel and apartment build-

. Enid.-Loewen Hotel will erect nex: 90x40 feet: four stories: pressed brick: stone facings: connected with main building covered bridges; cost \$40,000 to \$50,000.

Okla., Tulsa.—Tulsa Hotel Co. awarded contract for erection of hotel; 305 rooms; 10 stories and basement; fireproof; reinforcedconcrete construction; faced with brick; lobby finished in marble; two passenger elevators; freight lifts; plans by F. W. Hunt, Springfield, Mo. (Recently mentioned.)

Okla., Tulsa.—Tulsa Hotel Building Co. will probably let contract in September for erection of hotel building; 10 stories; inside marble; balconies around exterior; 300 rooms bath; 200 without; plans by F. W., Springfield, Mo. (Contract recently Hunt, Springfield, Mo. (Clincorrectly noted awarded.)

MISCELLANEOUS STRUCTURES

D. C., Washington.—University Club, 930 16th St. N. W., will erect clubhouse.

D. C., Washington — Riding Academy George Oakley Totten, Jr., 808 17th St. N. Washington, is preparing plans for riding academy to be erected at 22d and P Sts.; ost \$25,000.

Ga., Valdosta-Clubhouse.-White Water Country Club (Robert Myddelton, G. A Whitaker and others) contemplates erection

Ky., Mayfield.—L. A. Chandler of The Mirror will expend \$75,000 to erect woman's club-house recently noted; to contain public library and auditorium; seating caps red brick and stone; will soon let for brick, concrete and woodwork. city 1500 n let co

Md Raltimore-Clubhouse -Lenox Cour try Club, Isador Sommerfeld, president, 2114 McCulloh St., will erect clubhouse to cost

Joplin-Hospital.-F. W. architect, Joplin, will receive bids for erection of Jane Chinn Hospital.

Okla., Oklahoma City-Labor Temple Oklahoma City Labor Temple Association (J. W. Ward and others) will erect temple to cost about \$100,000.

., Richmond-Hospital.-St. Luke's Hos-is having plans prepared by Noland & Baskervill of Richmond for addition to hospital; 24 rooms; sun parlor.

W. Va., Elkins.-Children's Home for West Virginia Humane Society (recently noted to bids until July 8 for erection
(1) will build 85x80-foot structure; stories and basement; common pressed brick; stone foundation; shingles; slate and comp sition roof; galvanized iron; two stories with composition capitals; gas and electric light-ing; hot-water heat; cost \$10,000; plans by Holmboe & Lafferty, Clarksburg, W. Va. Address Rev. R. D. Roller, D.D.

RAILWAY STATIONS

Ky., Nicholasville.-Bluegrass Traction Co., Lexington, Ky., is having plans prepared for terminal statio

Miss., Jackson.-New Orleans Great Northrn Railroad, N. G. Pearsall, general man ger, Bogalusa, La., is preparing, it is re ported, to begin construction of system of ssenger and freight buildings; plans pre-

N. C., Sanford.-Southern Railway, D. W. Lum, chief engineer, Washington, D. C., and Seaboard Air Line Railway, W. L. Seddon, chief engineer, Portsmouth, Va., will, it is reported, erect \$8000 union station.

Tex., Marshall.—Texas & Pacific Railway, 8. Wathen, chief engineer, Dallas, Tex. erect passenger station; brick and stone; stories and basement; cost \$50,000 to

Tex., Pecos.-Kansas City, Mexico & Orient Railway of Texas, C. H. Webster, chief engineer. Sweetwater, Tex., will crect depot; native stone; construction begun.

SCHOOLS

Ala., Birmingham.—City rejected all bids for crection of J. B. Cunningham school in East Birmingham; plans by D. O. Whildin, Title Guarantee Bldg., Birmingham cently mentioned.)

Ala., Midland City.—School Board will erect school; brick and stone; two stories. Ad-dress The Mayor.

Ala., Selma.—Payne University will open bids August 2 for erection of proposed dormitory building: 150x80 feet; mill construc-tion; cost \$18,000; plans by W. A. Rayfield & Co., Mason Bidg., Birmingham, Ala.

Ark., Jonesboro.—First District Agricul-tural School Commission is planning to erect

\$80,000 building; will award contract about

Ark., Lake Village.—City is having plans repared by Theo. Sanders, Little Rock, Ark., or \$15,000 school for white children and \$7000 school for negroes.

Prescott. - Prescott Scho Alexander Yaughan, secretary, will receive bids until July 23 for construction of two-story brick high-school building; certified check for \$259; plans and specifications on file at office of Frank W. Gibb & Co., architect, Gazette Bldg., Little Rock, Ark., or of F. C. Hanby, president of board, Preso

D. C., Washington.-Cuno H. Rudolph, John Johnston and William V. Judson, Com-ssioners, will receive bids until July 18 for alterations to Western High School at 35th and Reservoir Sts. N. W.; blank forms, in-formation, etc., at office of chief clerk of engineer department, 427 District Bidg.

Ga., Atlanta.-City accepted plans for four chools as follows: Edward E. Dougherty, for 12-room building and 8-room building; Edwards & Walters, for 12-room building; Harry Leslie Walker, for 8-room building; all of Atlanta.

Ga., Lagrange.—Lagrange Female College will receive bids until July 20 for four-story college building; plans by P. A. Dallis, Atlanta, Ga. (Previously mentioned.)

Ga., Waynesboro.-Farmers' Home Co. erect industrial school. (See "Land Develnts.")

Ky., Louisville.-Samuel D. Jones, busine director of School Board, will receive bids until July 20 for erection of school at Mor-gan and Biand Sts.; plans, specifications. etc., at office of Thomas & Bohne, Keller Bldg., Louisville. (Recently noted.)

La., Angie.-Washington Parish School Board, Franklinton, La., will erect \$3000

Ama. - St. Charles Parish pard, Hahnville, La., will receive bids until agust 10 for two-room school in First Ward, according to plans and specifications on file with secretary : Luther A. Youngs, president : T. B. Sellers, secretary.

La., Amite.-A. C. Lewis, superintendent of ducation, will receive bids until August 1 for erection of high school; plans and speci-fications on file at office of Contractors and Dealers' Exchange, New Orleans; office of superintendent at Amite, and Xavier A. Kra-mer, architect, Magnolia, Miss., or may be had on deposit of \$100. (Recently mentioned.)

La., Franklinton. — Washington Parish School Board will erect two two-room schools and high-school building; cost \$12,000.

La., Hammond.-City will probably vote on bond issue for school improvements. dress The Mayor.

La., New Orleans.-Holy Cross Fathers of Sacred Heart Parish, Rev. J. J. O'Rourke, pastor, have plans by William T. Nolan, Hen-nen Bidg., New Orleans, for school to replace resent structure; 12 classrooms, parlor and library; reinforced concrete, hydraulic library; reinforced concrete, hydraulic pressed brick and terra-cotta; electric lights; steam heat; will open bids July 30.

La., Vidalia.—Pa erect \$15,000 school. Vidalia.-Parish School Board

Md., Baltimore.—City will expend \$100,000 to erect addition to No. 70 school building; 80x160 feet; three stories and basement; or ary construction; indirect steam he etric lighting; E. H. Glidden and C. z. 16 St. Paul St., Baltimore, recen dinary noted as preparing plans; date of opening bids not decided.

Md., Baltimore.-St. Cecelia's Roman Catholic Church, Windsor Ave. and Hilton St.. will erect parochial school; site 50x150 feet. Address The Pastor, St. Cecelia's Catholic

Md., Baltimore.-City has plans by Baldin & Pennington, Professional Bldg., Baltifor structure in connection with present Blind Asylum buildings for Polytechnic Institute; five stories; stone; 150x40 feet: brick; three stories; to accommodate 1200 students; cost \$550,000; will remodel buildings now on site. (Previously noted.)

Jul

Md., Owings Mills. - Maryland Training School for Feeble-Minded is having plans prepared by Ellicott & Emmart, Union Trust Bidg., Baltimore, Md., for proposed school building; brick; fireproof; F. W. Keating will superintend construction; cost \$150,000.

Md., Port Deposit.-Tome Institute, Thos. Stockham Baker, director, is planning extensions and improvements to so

Mo., Purcell.-Purcell School District, D. S. oodmansee, president of board, will expend \$4700 to erect school building recently noted: stories : four ro oma: 42x52 feet: brick: to be piped for natural gas; bids opened.

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Md., Westernport.—Bids will be received until July 25 for erection of addition to school; plans at office of Geo. F. Sansbury, architect, 9:10 Citizens' Bank Bidg., Cumber-land, Md.; A. C. Wilson, secretary of School

N. C., King.-Board of Education will erect school; cost \$2500 to \$3000; stoves; plans not determined. Address J. T. Smith, Danbury.

Okla., Gracemont.-City will open bids July 25 for erection of proposed school building: fireproof construction; reinforced concrete; cost \$10,000; plans and specifications on file with architect Oklahoma Engineering Anadarko, Okla., and State Bank, Grace

Okla., Tulsa.-School Board District No. 3. Okla., Tulsa.—School Board District No. 3, Linlane Township, will receive bids through Starr & Borden, architects. Tulsa, until July 20 for erection of addition to and remodeling school; certified check for \$200; plans and specifications at office of architects as above.

Ohio, Blanchester. - Blanchester Miltary Onto, Bunnester. - Bunnester attain, Academy Co., L. B. Steele, president, contemplates erection of three buildings—school, dormitory, dining hall and gymnasium; three stories each; brick; cost \$50,000; date of opening bids not set.

S. C., Pageland. — Trustees of Pageland School District, J. A. Turner, secretary, have plans by Sayre & Baldwin, Anderson, S. C., for school building recently noted; 68x68 feet; T-shape; six classrooms; cost \$9000.

Tenn., Covington. - Tipton county special county high-school tax. Address

Tex., College Station.—F. E. Giesecke has plans for proposed rooming-house for college officers; 24 rooms; ordinary construction; low-pressure steam heat; electric lighting (See "Machinery Wanted.")

Tenn., Johnson City.—City will erect high school; Guy L. Smith, Mayor.

school; Guy L. Smith, Mayor.

Tenn., Nashville.—University of Nashville has plans by Meyer J. Strum, Chicago, Ill., for hospital; six stories; gray pressed brick; store trimmings; composition roof; fire-proof, cost \$100,000; C. A. Ferguson, Nashville. Tenn., supervising architect.

Tex., Colorado, — Colorado Independent School District voted bonds to erect school to replace burned structure. Address Dis-trict School Trustees.

Tex., Dallas.-Board of Education, C. Moore, secretary, received bids until July 11 for erection of school in North Oak Cliff.

Tex., Falfurrias.—Board of Education has plans by Alfred Giles, San Antonio, Tex., for school; brick and stone; cost \$25,000. (Recently mentioned.)

Tex., Farwell.-Farwell Public School, Guy Rogers, principal, will open bids July 15 for erection of school building; certified check for 4 per cent. of bid; plans and specifications at office of O. G. Roquemore, architect, Amarillo, Tex., and of Mr. Rogers.

Tex., Kentwood. — City voted \$30,000 of bonds for erection of school. Address The Mayor.

Tex., Kyle.—City voted \$5000 school bond sue. Address The Mayor. (Recently men-

Tex. Ira.-Town voted \$3500 bond issue to ool.

Address Town Council. Tex., Marshall.—Rt. Rev. Mgr. Granger will erect school building for St. Mary's Academy; brick; four stories; cost \$40,000.

Tex., Maxwell.-City will erect \$6500 brick school building: recently noted as voting bond issue. Address The Mayor.

Tex., Seguin.-City voted \$15,000 bond issue to enlarge and improve high-school building and repair negro and Mexican schools. Adess The Mayor.

Va., Norfolk.—Board of Trustees, Public School District No. 6, will receive bids at office of A. II. Foreman, superintendent, until July 21 for erection of eight-room brick school in Lafavette Residence Park: certified check for \$500; plans and specifications at office of Lee & Diehl, architects, 408 Seaboard Bank Bidg., Norfolk, or may be had on deposit of \$25.

Tex., Penn City.-Penn City School Dis trict, L. L. Pugh, county school superintendent, adopted plans for proposed school; two stories; brick; cost \$8000.

Tex., Pecos,-School Trustees, A. H. Philllps, president, will receive bids until July 20 for erection of school; 65x75 feet; two stories: brick or stone: ordinary construction: tin roof; galvanized-iron cornice; metal ceil fings; steel and C. T. work; plastering and furnace heat; plans, on deposit of \$15, at office of W. R. Kelly, architect, Pecos.

Tex., Quanah.-Quanah Independent Scho District will vote August 6 on \$15,000 addi-

tional school bond issue. Address District

Tex., Sanderson.—T. R. Kuykendall, secretary of School Board, will receive bids until July 26 for erection of two-story-and-basement brick school; certified check for \$500; lans and specifications at office of Henry T. elps, architect, San Antonio, Tex.

Tex., Spur.-8. M. Swenson & Sons will rect cotton gin; construction begun.

Va., Reedville.—District School Board of Fairfields has plans by L. E. Cockrell, Reed-ville, for proposed school building: 50x60 feet; frame: heating not decided; cost \$5000; Newman, Reedville, will superintend ruction. (See "Machinery Wanted.") Mr

W. Va., Lumberport.-Board of Education will expend \$10,000 for remodeling school building: 112x47 feet; two stories; brick; slate roof; hardwood floors; gas and electric lighting; mechanical-fan system of heating; plans by Holmboe & Lafferty, Clarksburg,

STORES

Ala., Birmingham.-A. P. Tyson will and apartment building. (See "Apartent-Hous

Ala., Huntsville.-Oscar Goldsmith plans by R. H. Hunt, Huntsville, for remodeling store building; brick; cost \$6000.

Ala., Wylam.—Consolidated Mercantile Co. vill erect two-story brick business building; 190370 feet; also erect addition to present

Ark., Eldorado.-G. W. Hinchee of Carlyle, ill erect two brick store building

A1k., Forrest City.-J. F. Stout will erect tore building; brick construction.

Ark., Walnut Ridge.-W. R. Lane will erect sion-house : cost \$9000.

D. C., Washington. — Male H. Williams awarded contract to R. J. Beall Construction Co., 1217 F St. N. W., Washington, for erec-tion of store and dwelling. (See "Dwelltion of store and dwelling.

D. C., Washington,—Edwin M. Dulin, 1279 II St. N. W., will creet six business and apartment buildings. (See "Apartment

D. C., Washington.—C. E. Webb, architect, Warder Bidg., is receiving bids for erection of store and apartment building at 7th and S SIS. N. W

D. C., Washington.-William L. Stewart. Evans Bldg., will erect four stores and dwellings. (See "Dwellings.")

Fla., Jacksonville.—Farber Burbridge will store and apartment building. Apartment-Houses,")

Fla., Jacksonville,-James W. Floyd will ect one-story brick building; cost \$3200.

Fla., St. Petersburg.-H. W. Hibbs has plans by Edgar Ferbon (address care of Mr. Hibbs) for store and dwelling recently noted. (See "Dwellings.")

La., Hammond.-Sam Cangelo Rouge, La., will erect store building; brick; 25x125 feet.

La., New Orleans,-Fuerst & Kramer will erect addition to store; cost \$3380.

Ga., Atlanta.-Mrs. M. O'Donnell will crect

Ga., Fayetteville.—S. F. Blalock has plans by A. F. N. Everett, English-American Bldg., Atlanta, Ga., for store and bank building. (See "Bank and Office Buildings.")

Md., Baltimore.—Estate of Isaac S. George has plans by W. A. Foreman, 215 Courtland St., Baltimore, for three-story-and-basement apartment and store building at Maryland Ave. and 29th St.

Md., Baltimore.—Oldenburg & Kelley, 5°2 South 3d St., will erect business building at Holliday and Saratoga Sts.; use walls of naged building on site.

Md., Westernport.-Howard C. Dixon b plans by Holmboe & Lafferty, Clarksburg, W. Va., for store and apartment building. (See "Apartment-Houses.")

Md., Westernport,-Howard C. Dixon has dans by Holmboe & Lafferty, Clarksburg, W. 'a., for remodeling store and dwelling; cost 5000. (See "Dwellings.")

Me., Joplin.-W. E. Bohne Machinery Co. will erect one-story building 50x100 feet.

Mo., Kansas City.—George 8. Myers will erect store and office building; two stories; foundation to permit erection of additional

Mo., Kansas City.-Mrs. Cara Lee Withers will erect six-story store building to be oc-cupled by Carl Hoffman Music Co.; 24 feet wide; cost \$40,000.

St. Louis.-Mary L. Baxter will erect ore building.

Okla., Tulsa.—S. G. Kennedy will erect brick and stone store building; cost \$16,000.

Charleston.—Abraham & Joseph Shahid, proprietors of New Bon Marche, will erect store building; three stories; plate-

S. C., Charleston.-A. R. Tomlinsebuild structure reported burned

S. C., Charleston.-T. A. Wilbur & Son rebuild structure reported burned; loss \$10,000.

8. C., Charleston .- Bailey-Lebby Company will rebuild store reported burned:

8. C. Charleston,-P. E. Trouche will reuild structure reported burned; loss \$15,000.

S. C., Charleston.-Gregg estate will rebuild Marshall-Wescoat Hardware Co.'s building reported burned; loss \$10,000

S. C., Columbia.-Murray Drug Co. is having plans prepared by Shand & Le Faye, Co-lumbia, for wholesale building; three stories; brick; cost \$10,000.

S. C., Columbia.—John J. Cain and Julius iI. Well have plans by Clarence Jones for store building; four stories; brick; 50x125 feet; mill construction; elevator; Shand & Lefaye, Columbia, inspecting architects.

8. C., Florence.-C. A. Buchhelt will erect two-story business building.

8. C., Timmonsville,-Hill Bros. will rebuild store reported burned; new structure to be brick; fireproof; 52x60 feet.

Tenn., Chattanooga.—Miller Bros., 7th and Market Sts., contemplate erection of two-story mercantile building; 25x100 feet; cost

Tenn., Knoxville. - Miller Stores Co. has pla Tenn., Knoxville.—Miller Stores Co. hasplans by R. Graf, Knoxville, for store building at 431-33 South Gay 8t.; 10 stories and base-ment; 50x125 feet; pressed brick; marble and terra-cotta trimmings; steel construction; reinforced cement floor; plate-glass fronts; electric plant to furnish light, heat and power; three electric passenger elevators and two electric freight lifts; 65,000 square feet floor space; cost \$200,000.

Tex., Alvin.-Steve Jones will erect bu ness building; lower floor stores, upper floor additional rooms for Alvin Hotel adjoining, cost \$8500; plans by and construction under supervision of R. D. Steele, Houston, Tex.

Tex., Dallas,-J. B. Wilson has plans by Sanguinet & Staats, Dallas, for store building for Titche-Goettinger Company; 50x100 feet; steel construction; 12 stories and basement;

Tex., Uvalde.—E. B. Zachary & Co. have plans by Henry Phelps, San Antonio, Tex., for store building recently noted; two sto-ries and basement; 60x60 feet; brick; cost \$10,000. (See "Machinery Wanted.")

Va., Buell,-George P. Costin of Mon Point, Va., awarded contract to Geo. D. Whitehurst, Berkley, station of Norfolk, Va., to erect store and dwelling.

Va., Coeburn.—Ford & McConnell have lans by Holmboe & Lafferty, Clarksburg, or remodeling store building; parquetry art glass; wood paneling; vitrolite;

Tex., El Paso.-Calisher Dry Goods Co. plans by Trost & Trost, El Paso, for depart-ment store; five stories above ground; two stories below; roof garden; steel and con-crete; stone, marble and plate-glass fluish-

Va., Norton.-J. Cohen will erect ste building; two stories; brick; 125 feet long.

Va., Lynchburg.-D. H. Howard will creet s building: frame; slate roof; cost

W. Va., Fairment.-M. L. Hutchison is ready to receive bids for remodeling store building; plate glass; marble; prisms; metal door and window frames; Kawneer system of store front construction; parquetry floor; cost \$3900; plans by Holmboe & Lafferty. Clarksburg, W. Va.

THEATERS

D. C., Washington, J. H. De Sibour, Hibbs Bldg., Washington, is preparing plans for \$1,000,000 theater and office building at 15th and G Sts.

Ga., Atlanta.—Joel Hurt has plans by Har-alson Bleckley, Atlanta, for theater recently noted; 104x148 feet; seating capacity 1700; fireproof construction; blower system of heat; electric lighting; cost \$150,000; Herts & Tallant, New York, consulting architects; separate bids will probably be asked.

WAREHOUSES

Ark., England.—Arkansas Cotton Oil Co. will erect warehouse; bids invited; plans and specifications on file at office of company at Fort Smith Crossing, Argenta, Ark.

CITY AND COUNTY

Va., Hollins—Infirmary.—City awarded contract to J. F. Barbour, Roanoke, Va., for erection of proposed infirmary.

Fla., Tampa,-Gulf Refining Co. (main offices, Pittsburg, Pa.) will rebuild warehouse recently reported burned; brick, iron and nerete; cost \$5000.

Ga., Summit.-J. Leonard Rountree, man committee, invites plans and bids for union cotton warehouse; 75x100 feet; metal sides and top or concrete or brick.

Mo., Kansas City.-C. D. Gilchrist will erect brick warehouse to cost \$12,000.

Va., Richmond.—Binswanger & Co. are inviting bids on erection of warehouse; brick; four stories; 40x140 feet; cost \$20,000; reported bids will be opened July 19.

BUILDING CONTRACTS AWARDED

APARTMENT-HOUSES

Ga., Savanuah.-Mrs, J. C. Zeigler awarded ontract for erection of apartment-house; our apartments; plans by Henry Eason, Savannah.

Va., Norfolk, — Mrs. Annie L. Morris-Meghen awarded contract to W. J. Bryant, Xorfolk, for erection of apartment-house;

Va., Richmond,-Dr. B. M. Rosebro award-Va., Richmond.—Dr. B. M. Rosene aware-ed contract to W. L. Ragland, Builders' Ex-change, Richmond, for crection of apartment-house recently noted under "Dwellings;" 38x 100 feet; three stories; ordinary construc-tion; hot-water heat; cost \$18,500; plans by H. P. Atherton, 1208 Mutual Bldg., Richn

ASSOCIATION AND FRATERNAL

Va., Pulaski.-Benevolent and Protective Order of Elks will expend \$20,000 to erect stores; 125x100 feet; ordinary construction steam heat; electric light; plans by Hugght & Bates, Roanoke, Va.; contract recently noted awarded to Oscar Laughon, Pulaski. 'Machinery Wanted."

BANK AND OFFICE BUILDINGS

Ga., Douglas,—Union Banking Co, awarded contract for rebuilding burned bank and office milding; new structure will be three stories; cressed brick; steel beams; stone trimmings. Recently mentioned.)

N. C., Marshall.-Citizens' Bank awarded contract to A. E. Roberts, Marshall, for erec-tion of bank building; 25x90 feet; ordinary construction; electric lighting; cost \$4000; plans by R. S. Smith, Asheville, N. C. (Recently noted.)

N. C., Shelhy.—Dr. S. S. Royster awarded contract to Gus Branton and C. A. Beam, both of Shelhy, to creet office and store building. (See "Stores,")

Okla., Goltry.—Goltry State Bank awarded contract to F. W. Weller, Enid, Okla., for crection of proposed bank building; 25x50 feet; fireproof construction; cost \$2500.

S. C., Elloree,-Ulmer-Irick Company S. C., Efferee.—Climer-trick Company having plans prepared for two-story bric building; 48x120 feet; to be occupied by Pe ple's Bank; cost \$5000; contract awarded construction will begin in few days. (R

Va., Petersburg. - Petersburg Benevolent Mechanics' Association awarded contract to East & Hobbs, 615 Law Bldg., Norfolk, Va., for erection of office building recently noted: seven stories; fireproof construction; cost \$125,000; plans by John K. Peebles, Norfolk, Va. (See "Machinery Wanted.")

Va., Richmond.-Broad Street Bank awarded contract for erection of bank and office building; plans by Noland & Baskerville of Richmond. (Further facts recently mentioned.)

W. Va., Terra Alta.-First National Bank awarded contract to Smith Construction Co., Morgantown, W. Va., for creetion of pro-posed bank and store building; three stories posed bank and store and and basement; 58x69 feet; press brick; cut stone; structural steel; composition roof; plate glass; hardwood flooring; vault and door; gas and electric lighting; galvanized iron cornice; cost \$16,000; plans by Holmboe & Lafferty, Clarkslaurg, W. Va.

CHURCHES

Tenn., Cookeville.—Presbyterian Church, U. S. A., awarded contract to Scott Bros. of Cookeville to erect edifice; pressed brick; stone trimmings; cost \$10,000.

CITY AND COUNTY

COURTHOUSES

Va., Hampton. — Elizabeth City County Commissioners awarded contract at \$5532 to R. H. Richardson & Son, Hampton, for erection of addition to courthouse; plans by B. F. Smith, Room 504 817 14th St. N. W., Washington, D. C. (Previously mentioned.

DWELLINGS

Ala., Birmingham.—Frank Bell will expend \$7000 to erect dwelling; plans by Warren & Welton, Birmingham; contract awarded.

D. C., Washington.—H. A. Kite, 1333 G St. N. W., awarded contract to E. T. Crismond. 722 E St. N. E., Washington, for erection of six dwellings at 3025-35 Cambridge Pl. N. W.; two stories; brick; cost \$12,000; plans by A. H. Beers, 1342 New York Ave. N. W., Washington.

D. C., Washington.—E. C. Rice awarded contract to C. A. Barker, 611 Ouray Bldg., Washington, for erection of residence in Argyle Park; three stories; frame; pebbledash; colonial interior finish; 12 rooms; cold-storage room, etc.; front porch; dwelling will be frame; 36x40 feet; hot-water heat; electric lighting; cost \$6800; plans by P. J. Merrill, Washington.

D. C., Washington.—Male H. Williams awarded contract to R. J. Beall Construction Co., 1217 F St. N. W., Washington, for crection of store and dwelling at 1812 R St. N. W.; brick; size, 40x65x45 feet; ordinary construction; hot-water heat; cost \$20,000; plans by Clarke Waggaman, 1600 Connecticut Ave. N. W.

D. C., Washington.—Thomas A. Poole, 1919 Calvert St. N. W., awarded contract to John Simpson's Sons, Washington, for erection of dwelling at 5611 Connecticut Ave. N. W.; two stories; brick; cost \$7000; plans by F. A. Fletcher, 1413 G St. N. W., Washington.

Ga., Atlanta.—E. B. Adams awarded contract to Padgett Construction Co., 1202 Candler Bidg., Atlanta, for erection of proposed dwelling: seven rooms; two stories; 37x5feet; frame stucco and shingles; heating not decided; electric lighting; cost \$4000; plans by Padgett & Son, 1031 Candler Bidg., Atlanta.

Ga., Rome.—J. H. O'Neill awarded contract for erection of dwe!!!ng recently noted; 45x90 feet; brick; cost \$6500; heating and plumbing contracts also awarded.

Ga., Savannah.—John Walz has plans by and awarded contract to John Stone, Savannah, for erection of residence; Georgia marble front; other portions white pressed brick; cost \$20,000.

Ga., Sparta.—J. D. Walker awarded contract to T. J. Bryan, Atlanta, Ga., for erection of proposed dwelling: 87x75 feet; 12 rooms; Spanish style; stucco; tile roof; hotwater heat; electric lighting; sackett plaster boarding; cost \$9000; plans by A. F. N. Everett, English-American Bidg., Atlanta, Ga.

Ky., Whitesburg.—L. D. Collins awarded contract to 8, C. Tyree (address care of Mr. Collins) for erection of proposed dwelling; 45x46 feet; two storles; mill construction; fireplaces; cost \$2500.

Md., Catonsville.—Stephen J. Van Lill, 809-21 Granby St., Baltimore, Md., awarded contract to William C. Espey, 132 Newburg Ave., Catonsville, for erection of \$4000 cottage on Oakdale Ave.

Md., Severna Park (not a postoffice).—Mrs. Martha Robinson Courtney awarded contract to George E. Goehring for erection of residence on Springdale Ave.; two and a half stories; frame; cost \$10,000; plans by Edward L. Palmer, 112 Elmhurst Rd., Roland Park, Md.

Miss., Hattiesburg.-Henry Turner award ed contract for erection of residence.

Miss., Hattiesburg.-W. S. F. Tatum award ed contract for erection of residence,

Miss., Hattiesburg.-Henry Turner awarded contract for erection of residence.

Tex., Bay City.—Fred S. Robbins awarded contract to O. E. Hatchett, Bay City, for erection of residence; two stories; colonial design; plans by Mr. Large.

Tex., Huntsville,—Mrs. J. Lyle awarded contract to W. H. Randolph, Huntsville, for erection of \$3500 residence.

Tex., Smithville.—T. R. Bain awarded contract to C. H. Turney, Smithville, for erection of two-story residence; eight rooms; ordinary construction; cost \$4500.

Va., Buell.—George P. Costin of Money Point, Va., awarded contract to George D. Whitehurst, Berkley Station of Norfolk, Va., for erection of store and residence.

Va., Lambert's Point, Station No. I, Norfolk.—W. W. White, Cape Henry Va., awarded contract to J. E. Newman, Norfolk, for erection of three dwellings.

Va., Lambert's Point, Station No. 1, Norfolk.—E. J. Dellins awarded contract to J. E. Newman, Norfolk, for erection of dwelling; cost \$5000.

Va., Norfolk.—T. E. Brickhouse awarded contract to B. L. Nicholson, Norfolk, for erection of frame residence; cost \$5900.

Va., Norfolk.—Mrs. Josephone Moses awarded contract to L. M. McLoud, Norfolk, for erection of \$3900 brick residence.

Va., Norfolk.—M. Lankford has plans by and awarded contract to F. E. Moore, Norfolk, for erection of dwelling recently noted; 40x45 feet; brick; slate roof; hot-water heat; electric lighting; cost \$5000. (See "Machinery Wanted.")

Va., Norfolk.—Edward R. Baird awarded contract to East & Hobbs, Norfolk, for erection of residence; cost \$26,000; plans by Ferguson, Calrow & Taylor, Norfolk.

Va., Portsmouth.—H. A. Hutchins awarded contract to Stroud & Hook, Portsmouth, for erection of two-story frame dwelling; cost \$4000; residence will be 26x56 feet; ordinary construction; steam heat; gas lighting; plans by A. B. Roane, 227 High St., Portsmouth.

Va., Richmond.—W. A. Klerersahl awarded contract to A. W. Siervers, Richmond, for erection of dwelling recently noted; cost \$5500; 23x60 feet; heating plant to cost \$625; electric lighting; plans by Carl Raymond, Richmond.

W. Va., Clarksburg.—Guy H. Earle awarded contract to Shinn & Wadsworth, Clarksburg, W. Va., for erection of proposed dwelling; 27x40 feet; two stories and basement; stucco finish; shingle roof; hard wall plaster; wood gutters; opalescent and plate glass; hot-water heat; gas and electric lighting; cost \$6000; plans by Holmboe & Lafferty, Clarksburg.

W. Va., Clarksburg.—W. L. Geppert awarded contract to J. L. Scott, Clarksburg, for erection of proposed dwelling; 25x30 feet; two stories; frame; slate roof; galvanizediron gutters; natural-wood finish; gas lighting; cost \$2500; plans by Holmboe & Lafferty, Clarksburg.

W. Va., Shinnston.—E. L. Pigott awarded contract to C. A. Short, Shinnston, for erection of proposed dwelling; 42x35 feet; two stories and basement; stone foundation; brick veneer; tin and slate roofing; hardwood floors; gas and electric lighting; cost \$7000; plans by Holmboe & Lafferty, Clarksburg, W. Va.

HOTELS

Ga., Atlanta.—Imperial Construction Co. awarded contract to R. M. Walker, Grant Bidg., Atlanta, for erection of previously noted hotel; eight stories and basement; 56x128 feet: fireproof, reinforced-concrete, brick-faced construction; vapor heat; electric and gas lighting; electric elevators (two cars); plans by Edw. E. Dougherty, Atlanta, Tex., Alvin.—Alvin Hotel Co. awarded con-

Tex., Alvin.—Alvin Hotel Co, awarded contract for erection of hotel; two stories; 60x 120 feet; 20 rooms in addition to first-floor space; cost \$15,000; plans by and construction under supervision of R. D. Steele, Houston, Tex.

MISCELLANEOUS STRUCTURES

Ala., Birmingham—Hospital.—St. Vincent's Hospital awarded contract to Theodore Pouli of Birmingham at about \$42,000 to erect east wing of hospital; five stories and basement: brick and stone; colonial architecture; 55 rooms; accommodations for about 150 patienfs; basement to be used as dispensary; steam-heating plant; contract awarded is exclusive of plumbing; total cost \$50,000; plans by Harry B. Wheelock, Birmingham; W. I. Grubb, chairman building committee. (Recently mentioned.)

RAILWAY STATIONS

Tex., Weatherford.—Gulf, Colorado & Santa Fe Bailway, F. Merritt, chief engineer, Galveston, Tex., awarded contract to H. D. Mc-Coy, Cleburne, Tex., to erect joint passenger and freight depot; passenger station will be of brick; concrete foundation; green tile roof; concrete floor in offices and waiting-room; passenger platform of vitrified brick; freight depot of corrugated iron; composition roof; rolling metal doors; estimated total cost \$20,000. (Recently mentioned.)

SCHOOLS-

A.a., Mobile.—Mobile County School Comraissioners will expend \$14,500 to erect twostory addition to school building; ordinary construction; steam or hot-air heat; plans by L. H. McNeil, supervising architect for school board; contract recently noted awarded to Jett Bros, Contracting Co., Mobile. Ala., Selma.—Selma University awarded contract to Windham Bros. Construction Co., 318½ 8th St., Birmingham, Ala., for erection of proposed dormitory; 51x76 feet; mill construction; cost \$10,000; plans by W. A. Rayfield & Co., Mason Bidg., Birmingham, Ala.

Ark., Fort Smith. — Board of Education awarded contract at \$16,961 to S. R. Goodwin & Co., Fort Smith, for erection of addition to Duvall school, and at \$490.55 to Standard Plumbing Co. of Fort Smith for plumbing.

Miss., Hazlehurst.—City awarded contract at \$9450 to J. F. Barnes, Jackson, Miss., for erection of proposed school, and at \$2372 to C. C. Hartwell & Co. of New Orleans, La., for installation of steam-heating system.

Mo., Fulton.—Westminster College awarded contracts for erection of proposed \$75,000 building; 132x98 feet; semi-fireproof construction.

N. C., Oxford.—City awarded contract to O. F. Wilkerson, Durham, N. C., for erection of \$220,000 school; plans by Linthicum & Rose, Durham, N. C.

Tenn., Lonsdale.—City awarded contract at \$11,984 to A. J. Cloyd, Knoxville, Tenn., for erection of addition to high-school building.

Tex., Amarillo.—City awarded contract at \$52,500 to W. M. Rice, Amarillo, for erection of high-school building. (Previously mentioned.)

Tex., Marshall.—Sisters of Holy Cross awarded contract to John F. Rodgers, Marsha'l, for erection of proposed school and dormitory; 70x110 feet; brick; steam heat; Geetric lighting; cost \$35,000. (See "Machinery Wanted.")

Tex., Port Lavaca.—City awarded contract to Clark & Borglund, Alpine, for erection of brick school. (Previously noted.)

Tex., Jacksboro.—Jacksboro School District No. 1 will expend \$25,000 to erect school building: 75x95 feet; mill construction; electric lighting; heating contract not let; plans by Geo. Burnett. Amarillo, Tex.; contract recently noted awarded to Bushnell & Johnson, Bryan, Okla.

Tex., Miami.—Trustees of Miami school awarded contract for erection of \$22,000 school; brick construction.

W. Va., Mt. Clare.—Grant District awarded contract to Mr. McWhorter, Lost Creek, W. Va., for erection of school building; 35x73 feet; two stories; frame; galvanlæd shingle roof; blackboards; cost \$4000; plans by Holmboe & Lafferty, Clarksburg, W. Va. (Bond issue previously noted.)

STORES

Ala., Birmingham.—Louis Saks awarded contract to Evans Bros., Birmingham, for crection of store to replace structure recently reported burned; cost \$16,000.

Ark., Hamburg. — Watson Hardware Co. will expend \$55,000 to erect store building; 2xx130 feet; side warerooms, 35x66 feet; ordinary construction; steel ceiling; plans by T. Sanders, Little Rock, Ark.; contract recently noted awarded to Nolley Bros., Hamburg.

Ga., Atlanta.—M. S. Thrower, 39 West Forsythe St., has plans by and awarded contract to Pittman Construction Co., 205 Rhodes Bldg., Atlanta, for erection of proposed store building; 95x140 feet; five stories; reinforced concrete; brick veneer; steam heat; electric lighting; cost \$75,000.

Miss., Shubuta. — Miss Annie McCarty awarded contract to L. W. Hancock, Meridian, Miss., for erection of store and office building recently noted: 52x80 feet; two stories: brick; open fireplaces; gas and electric lighting; freight elevator; cost \$7000; plans by Charles Marten, Shubuta. (See "Machinery Wanted.")

N. C., Shelby.—S. S. Royster awarded contract to Gus Branton and C. A. Beam, Shelby, to creet store and office building; two stories and basement; brick; lower floor to contain three stores with plate-glass front; upper floor offices.

Tex., Karnes City.—Kuhnell & Rezeppa will expend \$5000 to erect store building; 50x80 feet; fireproof construction; plans by J. Clyde Williams, San Antonio, Tex.; contract recently noted awarded to McCall & Warnke, Karnes City.

Tex., Temple.—R. D. Nicholson reported to have contract to build 30x110-foot business building.

Tex., Temple.—R. B. Stephens awarded contract to G. Brotherman & Son, Temple, for crection of stere building recently noted; 60x119 feet; one story; brick, with concrete foundation; steel beams; plate glass; electric l'ghiring; cost \$9000; plans by E. M. Cooksey (address care of Mr. Stephens); contractor will furnish material and labor.

Va., Fulaski.—B. P. O. E. awarded contract to Oscar Laughon, Pulaski, for erection of store, lodge and theater building; cost \$30,000. (See "Association and Fraternal Buildings.")

Va., Roanoke.-J. R. Weaver awarded contract to J. F. Barbour, Roanoke, Va., for erection of store.

W. Va., Terra Alta.—First National Bank awarded contract to Smith Construction Co., Morgantown, W. Va., for erection of store and bank building; cost \$16,000. (See "Bank and Office Buildings.")

THEATERS

Va., Pulaski,—B. P. O. E. awarded contract to Oscar Laughon, Pulaski, for erection of theater and lodge building recently noted. (See "Association and Fraternal Buildings.")

WAREHOUSES

Ark., Little Rock.—George Nlemeyer awarded contract to W. M. Stanton of Little Rock to erect two-story warehouse; cost \$5600.

Ark., Walnut Ridge.—S. N. Pitzele & Co. awarded contract for erection of proposed warehouse; 90x140 feet; cost \$5000.

Ga., Dalton. — Barrett, Denton & Lynn awarded contract to J. W. Ash, Austell, Ga., for erection of warehouse recently noted . 100x100 feet; concrete construction; estimated cost \$6000.

Ga., Augusta. — Arrington Bros. awarded contract to T. O. Brown & Son of Augusta to erect warehouse; brick; 165x80 feet; two stories; mill construction; electric freight elevator of 5000 pounds capacity; plans by G. Lloyd Preacher of Augusta. (Recently mentioned.)

Md., Baltimore.—Zimmerman Bros., 613 West Lexington St., awarded contract to C. C. Watts, 113 West Hamilton St., Baltimore, to erect warehouse at 613 West Lexington St.; two stories; 20x70 feet; brick; store front; cost \$4225; plans by B. W. & E. Minor, 224 West Pratt St., Baltimore. (Recently mentioned.)

Md., Baltimore.—Frederick Bonhage & Co., 603 Water St., awarded contract to B. F. Bennett Building Co., 123 South Howard St. Baltimore, to erect warehouse on Water near Frederick St.; three stories; 49x67 feet; brick; Ilmestone trimmings; cost \$9000. (Recently mentioned.)

Tex., Houston.—C. C. Wenzel of Houston has general contract at about \$25,000 to erect warehouse; three stories; 100x100 feet; mill construction; upper floors to be used for storage of wagons and carriages by Eller Wagon & Carriage Co.; plans by C. D. Hill & Co., Wilson Bldg., Dallas, Tex. (Recently mentioned.)

RAILROAD CONSTRUCTION

RAILWAYS

Ala., Birmingham.—F. A. Burr, president of the Shadyside Land Co.; Thos. O. Smith, Frank Nelson, Jr., S. E. Thompson and others are reported interested in a plan to build an independent electric railway from Birmingham to Ensley via Owenton and Shadyside.

Ala., Birmingham.—The Central of Georgia Railway, according to a press report, is preparing plans to build an extension several miles long to new coal mines in the Cahaba district. C. K. Lawrence is chief engineer at Savannah, Ga.

Ala., Sheffield.—Concerning the report that the Southern Rallway would build a detour line through Sheffield, an officer says that the work consists of the rebuilding of a line to provide through passenger service. W. H. Wells is chief engineer of construction at Washington, D. C.

Ala., Daphne. — The Pensacola, Mobile & New Orleans Railway Co. of Pensacola, Fla., is asking bids for the grading of 10 miles of line situated three miles north of Daphne. About 130,000 cubic yards will have to be moved. Henry McLaughlin of Pensacola is president.

Ala., Selma.—H. E. Reynolds of Centreville, Ala., is reported as saying that the Birmingham, Selma & Pensacola Railroad Co. has been incorporated to build a line from Selma to Birmingham, and possibly to include a railroad eight miles long owned by the Suttles & Weaver Lumber Co.

Ark., Little Rock.—A dispatch says it is announced that the Rock Island system will build new passenger and freight depots and make other improvements, all at Little Rock. J. B. Berry is chief engineer at Chicago, Ill.

Ark., Letona.—A dispatch says that about two miles of grade have been completed on the new railroad from Letona to Quitman, & Guli of inc from 1 255 mil Pine 1 Hopefi to a p Tex., : from 3 quired vice-p C. Mc

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which is being built by the Doniphan Lumber Co. of Doniphan, Ark. There will be seven bridges. Tracklaying will begin soon.

Ark., Murfreesboro.-The Memphis, Dallas & Guif Railroad Co. has amended its articles of incorporation to provide for its extension from Murfreesboro, Ark., to Memphis, Tenn., 255 miles, via Arkadelphia, Dalark, Carthage, Pine Bluff, DeWitt, St. Charles, Helena and Hopefield, Ark; also from Ashdown, Ark., to a point on the Red River opposite Shaws, Tex., 18 miles. The capital stock is increased from \$645,000 to \$7,875,000. Bridges will be required over seven rivers. C. C. Henderson is vice-president and general manager, and H. C. McCluer, chief engineer at Nashville, Ark.

D. C., Washington. — The Washington & Western Maryland Railroad Co., a local corporation of the Baltimore & Ohio, is reported to have purchased 200,000 square feet of ground at 13th and K Sts. in Georgetown, D. C., on which to build a freight terminal. W. Thompson is chief engineer at Baltimore, Md.

Fla., Mulberry.-The Seaboard Air Line, ac cording to a report, has finished grading on its line to Mulberry, which will be extended to the Christina phosphate mines, two miles from Mulberry. Tracklaying is to be com-pleted soon. E. W. Smith is engineer in charge.

Ga., Atlanta.-President J. W. English of the Fourth National Bank advises that he is no longer president of the proposed Atlanta & Carolina Electric & Interurban Railway, having resigned. Mathew Mason is vice-president and engineer of the road.

Ga., Statesboro.-W. A. Seymour of Knox ville, Tenn., according to a press report, will make survey for the extension of the Savan-nah, Augusta & Northern Railway from Louisville to Athens, Ga., about 110 miles.

Ga., Statesboro.-W. A. Seymour, chief en gineer of the Savanaah, Augusta & Northern Railway, is reported as saying that track will be laid from Garfield to Stevens Cross ing immediately, and that it will finally be extended to either Athens or Elberton, Ga.

Ky., Coleman,-An officer of the Pecos & Northern Texas Railway (Santa Fe system) says that grading from Coleman to Lubbock is about 55 per cent. complete. From Cole-man 22 miles of track are laid toward Lub-bock, and from Lubbock about 25 miles toward Coleman.

Ky., Cynthiana.-The Cincinnati, Lexington & Hocking Valley Railroad Co. of Cynthiana has been incorporated with \$30,000 capital to Paris and Newport. W. S. Gray of Gray & Co., Louisville, was recently reported as making a survey for the line, to be 65 miles long. The incorporators are R. W. Day, F. L. Fuller, T. J. Fox, W. L. Connell of Scranton, Pa.; Don C. McVean of Covington, Ky.; R. H. Reese and Wade H. Lall of Cynthiana,

Glasgow .- A dispatch says that H. H. Snyder, for Eastern capitalists, will soon begin survey for the Louisville, Lincoin Farm & Mammoth Cave Electric Railway from Glasgow to Hodgenville, Ky., about 50 miles. Chas. Van den Bergh of Glasgow is the promoter.

Ky., Murray.-An officer of the Murray Traction Co. is quoted as saying that con tracts for the proposed line from Murray to Calloway, 16 miles, will be let about Septem-ber 1. Surveys are completed and right of way obtained. Capital is partly secured. N. Ryan is president.

Ky., Somerset.—The Manufacturers' Record is advised that a movement is under way Ky., Somerset.—The Manufacturers' Record is advised that a movement is under way to build a railroad from Corbin, Ky., vin Somerset to connect with the Louisville & Nashville Railroad at Scottsville, Ky. Cecil Williams of Somerset and others are Inter-

La., Franklin.-An officer of the Franklin La., Frankiin.—An omeer of the Frankiin & Abbeville Railway says it is not likely that any further extensions will be made for a year or more. This refers to a report that the company might extend to Lafayette, La.

La., New Iberia.—The Southwestern Traction & Power Co. of New Orleans is reported formed to build an electric railway connecting New Iberia and other points. F. W. Crosby of New Orleans, according to a dispatch, is promoting the enterprise.

Miss., Gulfport. - The Mississippi Coast Traction Co., it is rumored, will build an ex tension to Henderson's Point, seven miles from Pass Christian. J. T. Jones of Guifport and others are interested.

Miss., Jackson.—Reported that the New Orleans Great Northern Railroad contemplates an extension from Jackson to a point near Memphis, Tenn., to connect with the Frisco system. C. W. Goodyear of Buffalo, N. Y., is president of the company.

Mo., Joplin.-Contract is reported let to the Clarke-Marshall Construction Co. for the proposed railroad from Joplin to Miami, Okia., in which Franklin M. Smith of Joplin and others are interested. Financial arrangements are said to be complete. J. F. Gallagher, president of the Joplin Trust Co., is reported to have resigned to assist in building the line.

Okla., Oklahoma City.-The Oklahoma City & Suburban Railway, according to a dis-patch, has filed a mortgage for \$400,000 for its proposed line from Britton to Edmond, seven miles; from Oklahoma City to Moore, seven miles, and a third from Oklahoma City Packingtown, besides other exten-W. A. Haller of Oklahoma City is president.

Okla., Tulsa.—The West Tulsa Belt Line Railway Co. is reported to have finished grading and to have begun tracklaying on its line from Lefebre to Lost City, eight

Okla... Wagoner - William Kenefick dent of the Missouri, Oklahoma & Gulf Railway, is quoted as saying that two surveys are now being made for the northward extension from Wagoner to Kansas City, and he expects to have all ready for construction by September 15. J. J. Harrison is chief engineer at Durant, Okla.

S. C., Georgetown.-The Waccamaw Tran portation Co. of Georgetown, capital \$10,000, has been chartered with the following officers: A. A. Springs, president and manager; St. J. M. Lachicotte, vice-president, and J. I. Hazard, secretary and treasurer.

Tenn., Jackson. - The Nashville, Chattanooga & St. Louis Railway, according to a dispatch, will improve its line between Jackson, Tenn., and Paducah, Ky., before September 1. Hunter McDonald is chief engineer at Nashville, Tenn.

Tenn., Knoxville.—The Knoxville, Sevier-ille & Eastern Railway is reported to have nade arrangements for an extension of 15 made miles from Sevierville eastward. W. A. Sey ruour is chief engineer at Knoxville, Tenn.

Tex., Bartlett.-G. W. Hubbard, president of the Bartlett & Florence Railroad Co, is quoted in a dispatch as saying that exten-sions east and west are proposed, the first to Rockdale, 32 miles, and the last to either Lampasas or Marble Falls, making a total length of 186 miles. At present 12 miles are perated from Bartlett to Jarrell.

Tex., Brady .- An officer of the St. Louis & San Francisco Railroad says surveys have been completed for a sufficient distance to start the work on a new line from Brady to Kingsville, Tex., but he cannot say when construction will begin.

Tex., Beeville.-The Nucces River Valley Railroad Co, will receive bids for construc-tion August 1, the general contractor being the Maryland Construction Co., lately organ ized. The line will run from Beeville to Eagle Pass, Tex., 175 miles, via Clareville, Lapara, Oakville, Simmons, Tilden, Cotulla and Carizzo Springs. Three steel bridges over the Nueces River and several wooden bridges over minor streams required. Wil-liam A. Frisby is president; Lee Frisby, vicepresident and general manager at Beeville, Tex.; R. M. Buck, secretary and treasurer, Fort Smith, Ark. George A. Hull is chief engineer. Route comparatively level, with low grades.

Crosbyton.-The Crosbyton Plains Railroad Co., it is reported, will let contracts immediately for its line from Cros-byton west to Lubbock, Tex., 40 miles. P. L. Coonley is president at Chicago, Ill. Address Stewart Ave. and 39th St.

Tex., Denton .- A stock company is to be organized as the result of a mass-meeting to build 25 miles of railroad from Denton west or northwest to connect with the Santa Fe. The Mayor may be able to give information.

Tex., Llano.—An officer of the Southern Pacific Railway denies the press report that the company proposes to build an extension from Llano to Sanderson, Tex.

Tex., Longview.-According to a report quoting an officer, the Santa Fe system will begin survey about July 20 for the proposed line from Longview to the iron-ore fields in Cass county. This denies a late report that construction has begun.

Tex., Naples.—The Naples & Northwestern Raliroad, recently chartered, is reported building an extension of about 20 miles out of Naples, Tex. Another extension will be built to Shreveport, La. Max Kosse of Cincinnati is president, and A. E. Hinman of Naples, Tex., is chief engineer.

Tex., Pecos.—The Pecos Valley Southern Railway, according to a report quoting an officer, is being graded by T. H. Brigance of Pecos, and it will be 45 miles long via Sara-

gosa and Balmorhea to San Solomon Springs. Track is laid on 25 miles: maximum grade seventy-five-hundredths of 1 per cent.; maxinum curvature, 2 degrees; one steel bridge over Toyah Creek and two long trestles, W. L. Carwile is president, and L. W. Anderson, chief engineer at Pecos. Tex.

Tex., Rossman.-An officer of the Black Bayou Railway Co. is quoted as saying that track has been laid on six miles of line out of Myrtistown, La., southwest, and it will be extended 16 miles farther. W. H. Welch of the Southern Lumber Co. of Myrtistown, La., is president, and T. D. Singleton of Tex-arkana, Ark., is chief engineer.

Tex., Waco.-The Texas Central Railroad Co. proposes to file a mortgage for \$20,000,000 for extensions and improvements. H. S. McCail is resident engineer at Waco, Tex.

W. Va., Fairmont. — The State Line & Southern Railroad Co., recently chartered, has organized, says an official, by electing the following officers: President, Joseph Wood; vice-president and chief engineer, S. D. Brady; secretary and treasurer, Charles Morris, the latter of Fairmont, W. Va. Mr. Brady's address is Parkersburg. Besides Messrs. Brady and Morris, the incorporators are H. M. Schrader and R. E. Kerr of Park-ersburg, W. Va., and B. M. Laughead of Morgantown, W. Va. The line is to be 31 miles long from the Pennsylvania boundary southward to Rivesville, W. Va., along the west bank of the Monongahela River. It is not yet decided when bids will be received for construction. The Pittsburg & Lake Erle, the Pennsylvania and the Baltimore & Ohio railroads own the line. Mr. Wood, the president, is vice-president of the Pennsylvania Lines at Pittsburg.

W. Va., Favetteville,-An officer of the Chesapeake & Ohio Railway confirms the re-port that maps have been filed for the Meadow River extension of the Gauley branch. It will run from near Twenty-Mile branch. It will run from near twenty-Mie Creek up Meadow River to the boundary be-tween Nicholas and Greenbrier counties, about 61½ miles. No work is contemplated at present. H. Pierce is engineer of construction at Richmond, Va.

STREET RAILWAYS

Md., Baltimore.—The United Railways & Electric Co, has been granted permission to lay double track on 7th St. in Walbrook, a suburb. Wm. A. House is president.

Mo., Kansas City.-W. D. Miles and oth are reported organizing a new street railway company to build an independent line.

Okla., Tulsa.—The Tulsa Street Railway Yo, is assembling material to build an ex-ension of seven blocks on South Frisco Ave. C. H. Bosler is president. There may be a further extension of this line.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Manufacturers and others in need of machinery or supplies of any kind are requested to consult our advertising columns, and if they cannot find just what they wish, if they will send us particulars as to the kind of machinery or supplies needed we will make their wants known free of cost, and in this way secure the attention of manufacturers and dealers throughout the country. The Manufacturers' Record has received during the week the following particulars as to machinery and supplies wanted.

Air Compressor -- See "Mining Machinery Blackboards.—John F. Rodgers, Marsh Tex., wants prices on blackboards.

Bank Fixtures.—American National Bank, W. B. Cooper, president, Wilmington, N. C., wants bank fixtures.

Boilers.-Samuel T. Williams, 223 North Calvert St., Baltimore, Md., wants prices on 100-horse-power and one 150-horse-power re-turn tubular bollers (100 pounds).

Boiler.—Delta Table & Chair Manufactur-ing Co., E. S. Williams, secretary, Yazoo City, Miss., wants prices on boiler.

Bottling Machinery.-See "Labeling Mahinery.

Bottling Machinery .- M. Bargas Compa San Antonio, Tex., will want prices on bot-tling machinery.

Boxes.-See "Glove Machinery, etc."

Bridge Construction. — Baltimore (Md.) Board of Awards will receive bids at office

of J. Sewell Thomas, City Register, City Hall, until July 20 for construction of sub and superstructure of Poplar Grove St. bridge; specifications and plans on file in office of Comissioners for Opening Streets, Bushrod M. Watts, president.

Bridge Construction. — Okfuskee County Commissioners, Okemah, Okla., will receive bids August 8 and let contract August 9 for erection of 25 steel and wooden bridges; bids to be filed in office of E. Stine, County Clerk.

to be filed in office of E. Stine, County Clerk.
Bridge Construction.—Road Commission,
Stewartsville township, Scotland county, will
open bids and plans August 1 at office of M.
L. John, Laurinburg, N. C., for construction
of seven reinforced-concrete arch bridges as
follows: Roper Mill Creek, 14-foot span, 16foot roadway, two feet to water, three-foot
water, 16 inches higher than old bridge;
Stewartsville bridge, 20-foot span, 16-foot
roadway, four feet to water, three-foot water,
raise roadway 16 inches; Peddier bridge, 30foot span, 12-foot roadway, raise roadway foot span, 12-foot roadway, raise roadway two feet above old bridge; John Station Big Branch, 14-foot span, 16-foot roadway, raise old roadway 18 inches; John Station, 30-foot ond roadway is inches; John Sintion, 30-foot span, 12-foot roadway, raise old bridge two feet six inches; Caledonia bridge, 30-foot span, 12-foot roadway, three feet to water, raise roadway six inches; Fairley Old Mill, 30-foot span, 16-foot roadway, five feet to water, raise roadway above old bridge eight Inches; 5 per cent, certified check to accom-pany bids; bonds required for one year's aintenanc

room Machinery.-Morris Broom Co., W. Morris, president, Rives, Tenn., wants prices on broom machinery.

Building Materials.—S. N. Haws, Johnson City, Tenn., wants bids on brick, lumber, roofing, finish, hardware and plumbing for valor

Building Materials.-John F. Rodgers, Marhall, Tex., wants prices on iron, asl shingles, plumbing, cypress lath, cement, lime

Building Materials,-W. II. Ellis, 1303 15th St., Augusta, Ga., wants prices on building

Building Materials .- E. B. Zachary & Co., Uvalde, Tex., want prices on building materials

Building Materials.-East & Hobbs, 615 Law Bidg., Norfolk, Va., will receive bids July 16 on building materials, including brick work, structural steel, ornamental iron, metal window frames, plastering, concrete work, roofing, channel partitions and furring, nd mill work

Building Materials. -- Warren & 1607 Empire Bidg., Birmingham, Ala., want prices on building materials.

Building Materials.-Warren & Welton, 1607 Empire Bldg., Birmingham, Ala., want pricon building materials.

Buttons, etc. — Millsaps Company, J. L. Wheeler, president, Marion, S. C., will buy buttons and elastic for letter binders.
Cannery. — W. J. Stevenson, Lauderdale, Miss., wants prices on canning outfit.

Cars.—Pennsylvania Equipment Co., West and Trust Bidg., Broad and South Penn Sq., Philadelphia, Pa., wants six standard-gauge flat cars of 89,000 pounds capacity; also com-bination passenger, baggage and mail car.

Castors.—Salem Iron Works, Winston-Salem, N. C., wants illustrated descriptive catalogues, with prices and discounts, on heavy castors; to carry weight of at least 1909 pounds to each castor.

Cement-block Machines.-W. L. Keller Cement Block Machine Co., Kearney, Neb., wants to correspond with manufacturers rel-ative to placing order (on royalty or other basis) for making (or making and selling) patented cement-block machines.

Church Furnishings.-W, II. Ellis, 1303 15th St., Augusta, Ga., wants prices on church furnishings for \$18,000 church.

Clay Cups .- A. H. Baker & Co., Pensacola, Fla., wants to co ers of clay cups. ants to correspond with m

Cloth .- See "Glove Machinery, etc."

Column Capitals.—J. S. De Jarnette, super-intendent Western State Hospital, Staunton, Va., wants galvanized-iron or plaster-of-paris capitals for porch columns.

Corn Shellers, etc.-People's Oll & Cotton Co., Wharton, Tex., wants to correspond with manufacturers of corn shellers, cleaners, etc.

Compress Supplies.—Victoria Compress Co., P. R. Swann, manager, Victoria, Tex., wants prices on 2½-inch fire hose, spliced bands, arrow buckles, platform scales, rivets for splicing bands, compress twine, shears for band bench, band cutters, stencils, marking ink, cotton tags, barrels and buckets for fire purposes, lubelesting, all, and, stencil fire purposes, lubricating oils and steneil

Concrete Work.-M. Bargas Company, San Antonio, Tex., will want prices on concrete work.

Conveying Machinery.—Frank Wright, Cave Spring, Ga., wants catalogues on machinery to convey small packages a short distance (as by belts or rolling slats).

Cork.—Hans Rees' Sons, 39 Frankfort St., New York, want addresses of manufacturers of cork

Crushing Plant.—Herbert L. Wiggs, treasurer Broad River Granite Co., Candler Bidg., Atlanta, Ga., will open bids August 15 for installation of \$10,000 crushing plant.

Culvert Construction, etc.—Ennis M. Douglass, City Clerk, Memphis, Tenn., will receive bids until July 19 for constructing number of culverts and laying large amount of piping on Monroe and Chelsea Aves., Cleveland, Latham and Cooper Sts. and Waldran Blvd.; work on each street to be let as whole; specifications and profiles on file at office of City Engineer; certified check for \$250 to accompany each bid; E. H. Crump, Mayor.

Dam Construction.—City Council, Quanah, Tex., will open bids July 26 for construction of rubble masonry dam; principal quantities are 1028 cubic yards rubble masonry, 229 cubic yards reinforced concrete, 2344 cubic yards loose rock paving, 5890 cubic yards earthwork; bids to be upon blank forms furnished by city and be accompanied by certified check for 5 per cent. of bid; plans and specifications may be seen at office of City Secretary and of Fountain-Shaw Engineering Co., Andrews Bidg., Dallas, Tex.; complete plans and specifications may be obtained from Fountain-Shaw Engineering Co. upon request, accompanied by \$1.25; J. B. Robertson, City Secretary.

Doors, Knobs, etc.—M. Lankford, 414 Seaboard Bank, Norfolk, Va., wants prices and cuts of doors and glass knobs for 18 doorways.

Drilling.—Sipsey Valley Oil & Gas Co., S. P. Marsh, president, 202 Title Guarantee Bidg., Birmingham, Ala., will open bids for drilling about 2000 feet for gas in Fayetre district.

Dust Collectors. - See "Peanut-plant Machinery."

Dust-collecting Machinery.—Bain Peanut Co., Wakefield, Va., wants prices (made delivered Shreveport, La.) on dust-collecting machinery.

Elastic.—See "Buttons, etc."

Electrical Equipment.—W. H. Ellis, 1303 15th St., Augusta, Ga., wants prices on electrical equipment for \$18,000 church.

Electrical Machinery.—Stricklin Printing Co., Cheraw, S. C., wants data and price on five-horse-power, alternating, single-phase, 60cycle motor for operating printing press.

Electrical Machinery,—Rock Hill Buggy Co., Rock Hill, S. C., wants 15 and 25 horse-power second-hand direct current motor, 110 volts; also two motors as above, alternating current.

Electrical Machinery.—Samuel T. Williams, 223 North Calvert St., Baltimore, Md., wants prices on 50 to 65-kilowatt generating set, alternating-current, 220-volts, three-phase, 60-cycle direct connected set or belted generator with Corliss type engine; also belted or direct-connected set, 10 kilowatts, 220 volts, direct current; also direct-connected set, 10 kilowatts, 110 volts.

Electrical Machinery.—M. Bargas Company, San Antonio, Tex., will want prices on electrical machinery.

Electrical Machinery.—W. S. Markle, consulting engineer, 1005 New Bank of Commerce Bldg., St. Louis, Mo., wants 225 to 300-kilowatt, two-phase, revolving field, 60-cycle, 2300-volt direct-connected alternator; also a Corliss engine for same and exciter; also 50 to 75-kilowatt, three-phase, revolving field, 60-cycle, 2300-volt alternator, either belted or direct connected; also an engine for this unit and an exciter.

Elevator.—Miss Annie McCarty, Shubuta, Miss., will need freight elevator.

Elevators.—East & Hobbs, 615 Law Bldg., Norfolk, Va., will receive bids July 16 on elevators.

Elevators.—Department of Interior. Proposals will be received until July 22 for installation of two electric passenger elevators for Pension Office Building, Washington, D. C., in accordance with specifications and drawings, copies of which may be obtained upon application to chief clerk of department; R. A. Ballinger, Secretary.

Engine.-See "Mining Machinery."

Engineering Catalogues.—Engineering Supervision Co., 43-45 West 34th St., New York, wants all kinds of catalogues of interest to our propers.

Engines.-See "Electrical Machinery."

Engine.—Delta Table & Chair Manufacturing Co., E. S. Williams, secretary, Yazoo City, Miss., wants prices on engine.

Exhaust Fans,-See "Peanut-plant Machin-ery."

Fire Engine.—J. B. Streater, chief of fire department, Lake Arthur, La., wants prices on portable hand fire engine, etc. (See "Water-works.")

Foundry Supplies.—See "Iron-works Equipment."

Galvanized Ceiling, etc.—Oscar Laughon, Pulaski, Va., wants prices on galvanized cornice and ceiling.

Galvanizing Outfits.—A. H. Baker & Co., Pensacola, Fla., wants to correspond with manufacturers of galvanizing outfits.

Gasoline Engine.—Samuel T. Williams, 223 North Calvert St., Baltimore, Md., wants prices on 25-horse-power gasoline engine.

Gasoline Engines.—Morris Broom Co., W. P. Morris, president, Rives, Tenn., wants prices on gasoline engines.

Glove Machinery, etc.—Geo. C. Lawrence, 2425 12th St., Tuscaloosa, Ala., wants to correspond with manufacturers of glove machinery, including cutters, power, foot power, etc.; also wants prices on cloth, boxes and thread.

Hardware.-See "Doors, Knobs, etc."

Heating Plant.—M. Lankford, 414 Seabourd Bank, Norfolk, Va., wants prices and cuts of hot-water furnace and nine radiators.

Heating and Ventilating System.—Dan C. Smith, Jr., City Secretary and Comptroller, Houston, Tex., will receive bids, plans and specifications until August 1 for heating and ventilating system of City Auditorium; contractors submitting bids are to submit their own layout, with complete specifications; proposed to heat auditorium proper by Plenum system and offices by direct radiation; outside temperature to be taken at 10° above zero and inside air at 70° F.; seating capacity of auditorium 7000, and each seat to be provided with 2400 cubic feet of air perhour; change of air to be every 20 minutes, and air to be washed; plans of building on file at offices of Mauran & Russell, architects, St. Louis, and of F. L. Dormant, consulting engineer, Houston; certified check, payable to H. B. Rice, Mayor, for 5 per cent. of bid; bidders to examine building.

Heating Plant.—John F. Rodgers, Marshall, Tex., wants prices on steam-heating plant.

Heating Plant.—W. H. Ellis, 1303 15th St., Augusta, Ga., wants prices on heating plant for \$18,000 church.

Heating Plant.—Dr. L. E. Cockrell, Reedville, Va., wants prices on heating plant for eight-room building.

Hoisting Engine.—Southern Clay Products Co., Chattanooga, Tenn., wants prices on second-hand two-cylinder hoisting engine, 8x10, single drum; capacity 1500 feet of sevendighths.inch rone.

Hose.—See "Compress Supplies."

Ice Machinery.—M. Bargas Company, San Antonio, Tex., will want prices on ice machinery.

Iron Parts. - Millsaps Company, J. L. Wheeler, president, Marion, S. .C, will buy iron equipment (special machinery) for freight-car door opener.

Iron-works Equipment, etc. — Richards-Ingails Iron Works Co., Birmingham, Ala., wants angle Iron, I beams, machine supplies, foundry supplies, machinery steel, bar iron, emery wheels, etc.

Kettles.—Salem Iron Works, 206 South Liberty St., Winston-Salem, N. C., wants to correspond with manufacturers of enameled kettles for boiling syrup.

Labeling Machinery.—Leftwich Chemical Co., Lynchburg, Va., wants machine to label bottles; machine to carry labels and bottles of any size or shape.

Leather.—Joaquin Herm, Barcelona, Spain, wants to correspond with manufacturers of glace kid in black and colors for shoemakers' leather.

Levee Construction. — Mississippi River Commission, Third District, Vicksburg, Miss. Proposals for about 1,180,000 cubic yards of levee work, for furnishing 30,000 cubic yards of stone, 30,000 cords of willow brush and poles, wire and Manila rope, silicon bronze wire, wire strand, spikes, cable clips and wire staples will be received until July 21; information on application; Clarke S. Smith, Captain, Engineers.

Lighting Fixtures.—M. Lankford, 414 Seaboard Bank, Norfolk, Va., wants prices and cuts of electric chandeliers.

Looms.—L. T. Nichols, general manager of Carolina & Northwestern Rallway, Chester, S. C., wants addresses of manufacturers of Jacquard looms and of machinery for weaving spreads.

Lumber, etc.—Bids will be received at office of General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until August 5 for furnishing lumber, centrifugal pumps and fittings for same, steel castings, locomotive and truck springs, etc.; blanks and general information relating to circular No. 595 may be obtained at above office or office of assistant purchasing agents, 24 State St., New York; 55 National Realty Bldg., New Orleans; 1986 North Point St., San Francisco, Cal.; also from U. S. Engineer office in following cities: Seattle, Wash.; Los Angeles, Cal.; Baltimore, Philadelphia, Pittsburg, Boston, Buffalo, Cleveland, Cincinnati, St. Paul, Detroit, Milwaukee, Chicago, St. Louis, Chattanooga, Louisville, Mobile and Galveston; Commercial Club, Kansas City; Chamber of Commerce, Quincy, Ill., and Chamber of Commerce and Board of Trade, Tacoma, Wash.; F. C. Boggs, Corps of Engineers, U. S. A., General Purchasing Officer.

Mica.-See "Slate and Mica."

Mica Grinders.—C. W. Blue, Box 624, Montgomery, Ala., wants addresses of mica grinders.

Mining Machinery.— Scotia Gold Mining Corporation, W. P. Arwood, assistant manager, P. O. Box 202, Richmond, Va., wants second-hand steam hoist, pump, engine, 40horse-power boller and air compressor; send description and prices.

Miscellaneous Supplies.—Bids will be received at office of General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until August 8 for furnishing fixed irons for rising-stem gate valves, cylindrical valves, and snubbing hooks and girders for canal locks; blanks and general information relating to circular No. 594 may be obtained at above office or office of assistant purchasing agents, 24 State St., New York; 55 National Realty Bidg., New Orleans; 1086 North Point St., San Francisco, Cal.; also from U. S. Engineer office in following cities: Seattle, Wash.; Los Angeles, Cal.; Baltimore, Philadelphia, Pittsburg. Boston, Buffalo, Cleveland, Cincinnati, St. Paul, Detroit, Milwaukee, Chicago, St. Louis, Chattanoga, Louisville, Mobile and Galveston; Commercial Club, Kansas City; Chamber of Commerce, Quincy, Ill., and Chamber of Commerce and Board of Trade, Tacoma, Wash.; F. C. Boggs, Captain, Corps of Engineers, U. S. A., General Purchasing Officer.

Oil Greases.—Joaquin Herm, Barcelona, Spain, wants to correspond with manufacturers of oil greases for making leather straps flexible.

Olls.-See "Compress Supplies."

Paraffin.—Joaquin Herm, Barcelona, Spain, wants to correspond with manufacturers of paraffin.

Paving, etc.—Board of Public Works, La Follette, Tenn., will award contract July 25 for construction of concrete sidewalks and sewers.

Paving. — Ennis M. Douglass, City Clerk, Memphis, Tenn., will receive bids until July 19 for 52,500 square yards tar macadam pavement, 35,450 cubic yards excavation and 6000 square feet concrete gutter; 3410 square yards foundation and 500 square feet concrete gutter; 1900 square yards mussel-shell pavement, 3380 cubic yards excavation; 2500 square yards old stone pavement, 250 square yards foundation and 1600 cubic yards excavation; 22,000 square yards concrete pavement and 10,000 cubic yards excavation; 15,720 square yards asphalt pavement, 20,000 cubic yards excavation is 15,720 square yards excavation; 15,720 square yards excavation, 15,720 square yards excavation, 15,720 square yards excavation, 15,720 square yards foundation and 15,720 square feet concrete gutter. Specifications and profiles on file at office of City Engineer; certified check for \$250\$ to accompany each bid; E. H. Crump, Mayor.

Paving. — J. B. Winslett, City Secretary, Dallas, Tex., will receive bids until July 20 for repairing and resurfacing McKinney Ave. from Harwood to Routh St., and Elm St. from H. & T. C. Ry. track to Crowdus St.; bids on each street to be separate; both streets now paved with asphalt; specifications on file in office of City Secretary; certified check, \$259.

Paving.—Chris F. Betten, City Clerk, Cape Girardeau, Mo., will open bids July 18 for grading and macadamizing (with bituminous binder) Independence, West End Bivd. and Whitener Sts., comprising following amounts: Excavation, 6217 cubic yards; embankments, 422 cubic yards; granifold curbing and guttering, 8085 linear feet; crushed rock to be placed, 5298 cubic yards; asphaltum or bituminous binder, 9897 square yards; rolling subgrade and macadam, latter twice, 12 blocks; also for grading and paving Broadway with creosoted wood blocks between street-car tracks and with vitrified brick on outsides of car track, and necessary curbing, comprising following amounts: 1392 square yards creosoted wood-block pavement, 6108 square yards vitrified-brick paving and 771 linear feet curbing; 1260 cubic yards excavation; bids opened June 6; certified check for \$100 to accompany each bid; plans and specifications on file in office of City Clerk.

Peanut-plant Machinery.—Bain Peanut Co., Wakefield, Va., wants prices (delivered Shreveport, La.,) on shafting, pulleys, hangers, boxes, exhaust fans, dust collectors, etc.

Piping.—Delta Table & Chair Manufacturing Co., E. S. Williams, secretary, Yazoo City, Miss., wants prices on piping for drykiln.

Pipe Line.—Bids will be received by Pententiary Commissioners, Harvey McCutcheon, chairman, on July 15 at office of F. P. Anderson, Lexington, Ky., for material to be used in construction of four-inch water-pipe line to be laid from Houses of Reform at Greendale, Ky., and to connect with water mains of any water-works company that can furnish water supply to said institution; for laying and connecting said pipe line with water mains of water company, right of way to be secured by board along edge of turnpike or turnpikes leading to institution; plans and specifications furnished by F. P. Anderson; at said time and place bids will also be received for furnishing water supply to Houses of Reform through said pipe line, bid to state quality of water to be furnished and source thereof; certified check for \$500 to accompany each bid.

Piping.-See "Culvert Construction, etc."

Plaster Retarder.—J. C. Grinnan, Norfolk. Va., wants addresses of manufacturers of wall-plaster retarder.

Pulverizing Machinery.—Road Phosphate Co., Alex. Martin, division manager, Cordele, Ga., wants prices on disintegrators (or crushers) for pulverizing screen rejections from fertilizer bagging machines.

Pulleys.-See "Peanut-plant Machinery."

Pumping Station.—C. A. Colclough, chairman water committee, Gainesville, Fla., invites propositions and correspondence relative to installation of pumping station, including 1200-gallon centrifugal pump and 100-horse-power motor.

Radiators, Valves, etc.—F. E. Giesecke, College Station, Tex., wants prices on radiators, radiator valves and air valves.

Reinforcing Material. — John F. Rodgers, Marshall, Tex., wants prices on reinforcing material for \$35,000 school and dormitory.

Road Construction.—Commissioners' Court of Williamson County will open bids July 20 at Taylor, Tex., for construction of rock gravel or macadam roads in Road District No. 4; for information address S. G. Yakey, Commissioner, Taylor, Tex.; T. J. Lawhou, County Judge, Georgetown, Tex.

Road Construction.-State Roads Commission, John M. Tucker, chairman, Unon Trust Bldg., Baltimore, Md., will open blds July 27 for construction of 8.34 miles of road as fol-Baltimore city-Harford Rd., between North Ave. and Atlantic Ave., one section, distance 1.62 miles; Harford Rd., between Atlantic Ave. and Baltimore county line, one section, distance .76 mile; brick; pitch, mac-adam or sheet asphalt; Liberty Rd., between 12th St. and Baltimore county line, one section, distance 1.56 miles; brick, pitch mac adam or asphalt. Baltim re county-Liberty Rd., between city limits and Buck's La., of section, distance of .99 mile; pitch ma adam; Belair Rd., between city limits an limits and Overlea, one section, distance of 3.41 miles; pitch macadam and vitrified brick; bids to be made upon blank form contained in book of specifications, which will be furnished by nission upon application and payme of \$2 for each section; blueprints furnit at rate of 25 cents for each half-mile tion; bids to be made upon blanks furnished by commission on application and payme of \$2; bids to be accompanied by certifi

Roofing.—Geo. McCutcheon, Bishopville, S. C., wants information and prices on roofing. Seating, etc.—Geo. McCutcheon, Bishopville, S. C., wants information and prices on seating, etc., for \$12,000 church building.

Roofing.-Dr. L. E. Cockrell, Reedville, Va., wants prices on galvanized steel roofing.

Roofing.—Delta Table & Chair Manufacturing Co., E. S. Williams, secretary, Yazoo City, Miss., wants prices on composition roofing.

Safe, etc.—S. N. Haws, Johnson City, Tenn., wants prices on safe and complete line of bank fixtures. as for linea feet concord. A. F. ficati City posal Sev. County July ravit Ave. tion fied of

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Scales.-See "Compress Supplies."

Sewer Construction. — Town Council, At-taila, Ala., will open bids July 26 for con-struction of proposed sanitary sewer system, consisting of about six and a half miles of pipe sewers and appurtenances; plans and specifications on file with S. S. Gray, Town Clerk; Willburn Hill, engineer, Gadsden,

Sewer Construction.—J. G. Sutton, City Secretary, Beaumont, Tex., will receive bids until August 2 for extension of sewer system, as follows: 100 linear feet 27-inch pipe, 1140 linear feet 24-inch pipe, 1080 linear feet 18-inch pipe, 3445 linear feet 15-inch pipe, 1600 inch pipe, 3445 linear feet 15-inch pipe, 1600 linear feet a 3.5x3-inch concrete, 1500 linear feet or more, size to be selected, brick or concrete; certified check \$1000, payable to E. A. Fletcher, Mayor; plans, profile and specifications on file at office of C. L. Scherer, City Engineer, who will furnish blank proposal forms.

Sewer Construction.—Mayor and General Council, Atlanta, Ga., will receive bids until July 18 for construction of trunk sewer in ravine between Highland Ave, and Sinclair Ave.; specifications furnished on application to R. M. Clayton, City Engineer; certified check 550 fied check \$500.

Sewer Construction. — Baltimore (Md.)
Board of Awards will receive bids at office
of J. Sewell Thomas, City Register, City
Hall, until July 20 for constructing trunk
sewers in district No. 48 (contract No. 54),
which are necessary to complete sanitary
contract No. 41, said contract having been contract No. 41, Said contract naving been abandoned by contractor; plans on file in office of Calvin W. Hendrick, chief engineer of Sewerage Commission; specifications and plans can be obtained upon application at office of Sewerage Commission, 904 American Bidg.; charge of \$5 to be made for each specification and bluenting, cartified check \$1500. Bldg.; charge of \$5 to be made for each specification and blueprints; certified check \$1500; approximate quantitles, \$400 cubic yards earth excavation and refill; \$500 cubic yards rock excavation and refill; \$600 cubic yards embankment; 7500 linear feet vitrified pipe sewer, 10 to 24 inches in diameter; 35 manholes.

Sewer Construction .- See "Paving, etc."

Shafting .- See "Peanut-plant Machinery."

Slate and Mica.—J. F. Bailey, 16 Bedford Pl., Atlanta, Ga., wants names and addresses of slate and mica producers.

Stamp Mill.-Scotia Gold Mining Corp tion, W. P. Arwood, assistant manager, Richmond, Va., wants to correspond with manufacturers of Tremaine stamp mill.

Steel Rods, etc.—Millsaps Company, J. L. Wheeler, president, Marion, S. C., will buy steel rods and plates for patent mail-bag deliverer and receiver.

Stencils.-See "Compress Supplies.

Syrup Machinery.-See "Kettles."

Tank and Tower.—T. H. Moiton, 2028 Third Ave., Birmingham, Ala., invites proposals for erection (upon property of Alabama Indus-trial School for White Boys) of 30,000-gallon ater tank upon tower 60 feet above founda-

Tubing.—Joaquin Herm, Barcelona, Spain, wants to correspond with manufacturers of brass tubing and latten brass.

Vault, etc.-S. C. Brittle, Warrenton, Va., wants prices on vaults, bank fixtures, etc., for People's National Bank.

Water-works.-Board of Mayor and Co cil, Gadsden, Ala., will open bids August 4 for water-works station, filters, machinery and extension; drawings and details may be examined and blank form of specifications and bid sheet obtained from R. M. Wilbank, City bid sheet obtained from R. M. Wilbank, City Clerk, or consulting engineers, Hazlehurst & Anderson, Atlanta, Ga., after July 29, and to whom requests for additional information should be addressed: each bid to be accom-panied by certified check for 5 per cent. of bid; W. T. Murphree, Mayor.

Water-works.—City of Carnegle, Okla., will open bids July 20 for improvements to water-works; 100,000 gallons capacity; improvements to include erection of 20x36-foot power-house, installation of 29x60-foot steel standpipe, 25-horse-power engine, compressor 10x10 feet, and air-lift pump; Oklahoma Engineer-ing Co., Anadarko, Okla., engineer in charge; 8. F. Robohn, City Clerk.

Water-works, etc.—J. B. Streater, chief of fire department, Lake Arthur, La., wants prices on steel towers, cypress tanks, castiron water mains and fittings, hydrants, and portable hand fire engines.

portable hand fire engines.

Water-works.—City of Wrightsville, Ga., will open bids July 21 for two compound dublex pumps of 500,000 gallons capacity per 24 hours; air compressor, 175 cubic feet of free air per minute; 150-horse-power boiler for 125 pounds pressure; 25 gate valves; 30 hydrants; 200 tons of 6 to 10-inch east-iron pipe and necessary specials; furnishing and erecting one tank and tower of 80,000 gallons

capacity, 120 feet high; at same time will re-ceive bids from contractors for furnishing materials not mentioned above, laying all mains, setting and connecting machin mains, setting and connecting machinery, constructing one suction basin of 100,000 gallons capacity, and sinking eight-inch artesian well; certified check for 5 per cent. of bld; plans and specifications at office of J. M. Blackshear, City Clerk, and of Arthur Pew, engineer, 620 Temple Ct., Atlanta, Ga.

Weaving Machinery. -- See "Looms."

Window Weights, etc.—Cave Spring Plan-ing Mill, Cave Spring, Ga., wants prices on window weights, pulleys and cord.

Wood Fiber-ware Machinery.—A. H. Baker & Co., Pensacola, Fla., wants to correspond with manufacturers of machinery for producing wood fiber-ware from wood pulp.

Woodworking Machinery,—Rock Hill Buggy Co., Rock Hill, S. C., wants addresses of manufacturers of woodworking machinery, especially planers ("Buss" planers preferred).

Woodworking Machinery. — G. T. Avery, Jacksonville, Tex., wants catalogues and prices on lathes and all machinery to manufacture round built-up columns for dwellings; also veneer machinery.

INDUSTRIAL NEWS OF INTEREST

Appoints Sales Manager.

The Detroit Seamless Steel Tubes Co., De troit, Mich., announces that it has appointed H. S. White as its sales manager, and be-speaks for him the continued patronage of its customers.

Buys 500-Kilowatt Turbo Unit.

In order to provide for an increased capacity the city of Independence, Mo., has purchased a 590-kilowatt General Électric clectric turbo unit complete. This equipment was supplied by the John A. Stewart Electric Co., distributor of electrical and steam ma-chinery, Cincinnati, O.

Completes Another New Well.

The Hughes Specialty Well Drilling Co., 96 Ashley Ave., Charleston, S. C., has completed another important well-drilling contract in that city. This was for the Ashepoo Fertilizer Co. of Charleston, and the well is said to be among the best producers in the vicinity. It is six inches in diameter and 400

Onyx Mine for Sale or Development.

Prospective purchasers or parties who desire to become actively interested in the development of an onyx mine are invited to correspond with T. E. Sebrell & Son, Harrisonburg, Va. Messrs. Sebrell state that they have for sale or development one of the largest onyx mines in the United States.

An Important Steel Contract.

An Important Steel Contract.

Announcement is made that W. N. Kratzer & Co., 2212-32 Smallman St., Pitisburg, Pa., have secured contracts to furnish about 1203 tons of fabricated structural steel for the new Union Station to be erected at Baltimore. This company manufactures structural steel and iron work of various kinds, and its products are well known and widely used.

President of Advertising Managers.

At the first regular meeting of the National Association of Advertising Managers at De-troit, June 24, E. St. Elmo Lewis, the weiltrott, June 24, E. St. Emb Lewis, the weit-known advertising manager of the Burroughs Adding Machine Co., was elected its first president. Mr. Lewis is one of the pioneers in the work of placing advertising on a scien-tific basis, and his election is a tribute to his est and conscientious work for the good of advertising at large.

Enlarges Its Facilities.

For the purpose of facilitating its service to its clients, the Franklin P. Shumway Company, 373 Washington street, Boston, Mass., has added several new rooms to its offices, which double its former floor space This company conducts a newspaner and This company conducts a newspaper and magazine advertising agency, and during the many years of its activity has developed a large clientele, besides building for itself a wide reputation for faithful service.

Contracts for Electrical Equipment.

The Carolina Electrical Co., 110 Fayette-ville St., Raleigh, N. C., has recently re-ceived some important contracts for elec-trical equipment and supplies, and among these is a contract to supply electrical equip-ment and fixtures for the U. S. courthouse ment and fixtures for the U.S. courtnoise and postoffice at Raleigh, to cost about \$3000. It has also closed contracts for equipment for the Raleigh Country Club and fixtures for the Wake County Savings Bank.

Will Sell Pumps and Compressors.

Will Sell Pumps and Compressors.

The Mine & Smelter Supply Co., which maintains large offices and warehouses at Denver, El Paso and Mexico City, with executive offices at 42 Broadway. New York, announces that it has accepted the agency for the entire Western territory of the United States of the well-known line of pumps made by the Epping-Carpenter Co., Pittsburg, and compressors made by the Burry Compressor Co., Erie, Pa. The Mine & Smelter Supply Co. states that it is better prepared than ever before to handle the

trade in these two lines not only in prices. but in quality of material and deliver

Rails, Machinery and Equipment.

Among prominent manufacturers and dis-tributors of rails, machinery and supplies is the Walter A. Zelnicker Supply Co., Zel-nicker Bldg., St. Louls. This company handles ralls, spikes, frogs, switches; steam, electric and compressed-air locomotives; air brakes, air drills, boilers, buckets, cableways, dump cars, box cars, street cars, cranes, der-ricks, dredges, gasoline engines, excavators, graders, concrete mixers, rock crushers, planers, steam shovels, etc. It has issued bulletin No. 108, listing some of its various products.

Sturtevant Salesmen's Convention.

An interesting event was the salesmen's convention from June 15 to 18 of representa-tives of the B. F. Sturtevant Company, Hyde tives of the B. F. Sturtevant Company, Hyde Park, Mass., manufacturers of fans, blowers, fuel economizers and mechanical draft appa-ratus, etc. Branch office managers and sales-men from all parts of the country assem-bled at the plant and general offices at Hyde Park and spent four busy days considering general business conditions. Their evenings were enlivened by banquets and other socia, features, while the last day of the convenwere enlivened by banquets and other social features, while the last day of the conven-tion was devoted to a sail down the harbor and an afternoon and evening as the guests at the Cohassett home of E. N. Foss, treas-urer of the company. The convention was marked by great enthusiasm, as the company has just finished one of the best years in its history.

Establishes Birmingham Office

Establishes Birmingham Office.

The Wagner Electric Manufacturing Co. of
St. Louis has established an office in the
Woodward Bldg., Birmingham, Ala., to be
in charge of J. F. Jones. Mr. Jones was
born in Gainesville, Ala,, and was graduated
in 1991 from the Alabama Polytechnic Institute with the degree of E. and M. E. Immediately after graduation he entered the employ
of the General Electric Co., working his way
successfully through the testing department,
inspection department, and finally specialized in the transformer sales department.
In November, 1995, he engaged with the Fort ized in the transformer sales department. In November, 1905, he engaged with the Fort Wayne Electrical Works, and remained with that company in various capacities until February, 1969, at which time he accepted a position in the home office of the Wagner Electric Manufacturing Co. The Wagner company manufactures the well-known Wagner single-phase motor and a comprehensive line of polyphase motors alternating-current line of polyphase motors, alternating-current generators, transformers and instruments.

Report Important Sales.

Report Important Sales.

Prominent among Southern manufacturers of brick-making machinery are J. C. Steele & Sons, Statesville, N. C. This company manufactures the "New South" brick machinery, together with brickyard supplies of various kinds, and reports the following sales: Machine of 40,000 daily capacity to Excelsion Brick Co., Montgomery, Ala.; machine of 40,000 capacity to H. Welli & Bros., Goldsboro, N. C. (replacing machine of another type); machine of 25,000 capacity to Abernathy, Lyerly & Co., Bridgewater (replacing machine of another type); machine of 25,000 capacity to J. A. Griffin, Ayden, N. C.; machine of 15,000 capacity to M. L. Teer, Durham, N. C.; machine of 25,000 capacity to R. B. Fitzgerald & Son, Durham, N. C.; machine of 25,000 capacity to R. B. Fitzgerald & Son, Durham, N. C.; machine of 25,000 capacity to R. B. Fitzgerald & Son, Durham, N. C.; machine of 25,000 capacity to Milford capacity to R. B. Fitzgerald & Son, Durham, N. C.; machine of 25,000 capacity to Milford (Del.) Brick Co.; machine of 15,000 capacity to Kenilworth Brick Co., Asheville, N. C. (making second machine purchased in two years); machine of 25,000 capacity to Joseph G. G. Holland, Holland, Va.; machine of 20,000 capacity to Dunning Brick Co., Aulander, N. C.; machine of 25,000 capacity to Ward Bros., Galax, Va.; machine of 25,000 capacity to Tar Heel Brick Co., Wade, N. C.; machine of 15,000 capacity to Tar Heel Brick Co., Wade, N. C.; machine of 15,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 15,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 15,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 15,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of 25,000 capacity to Whitaker & Russell, Andrews, N. C.; machine of

chine of 25,000 capacity to Georgetown (S. C.) Brick Co., and others

Ventilation and Cooling.

Profiting by past experience and to pre-clude any possible setback in attendance due clude any possible setback in attendance due to extreme heat in the building, the manage-ment of the Detroit Industrial Exposition arranged prior to the opening on June 20 for the Installation of a complete venti-lating, air-washing and cooling plant of large proportions. The exposition is being advertised as "the coolest place in Detroit," the cooling and ventilating system being of popular interest as well as of engineering the cooling and ventilating system being of popular interest as well as of engineering importance. Two spaces originally designed for exhibit purposes were apportioned by the management for the cooling plant. These are about central in the north side of a temporary building, an opening of sufficient area in the side wall admitting a fresh air supply, which is drawn through a Carrier air washer made by the Carrier Air Conditioning Co. of America (New York). This washes the air, eliminates all impurities, at the same time saturates the air with moisture and gives a cooling effect of 15 degrees. The fine mistlike spray which does the washthe same time saturates the air with moisture and gives a cooling effect of 15 degrees. The fine mistlike spray which does the washing is produced by means of nozzles, which are under 25 pounds water pressure. A direct-connected Buffalo electric centrifugal pump is used to supply the spray water at the above pressure. The Carrier air washer is equipped with an automatic humidity control, which might be called a substitute for a man with brains, for it maintains any desired per cent. of humidity continuously. The above device is simple, scientifically and practically correct. The Carrier system of controlling humidity is accomplished by means of controlling the temperature of the spray water, therefore controlling the dew point at the air washer, which determines the number of grains of moisture in the air. The system is acknowledged as indispensible in textile mills, especially where slik is fabricated. A No. 12 full-housed "Sirocco" fan, supplied by the American Blower Co. (Detroit), draws fresh air through the washer and elimptes and delivers into the build. supplied by the American Blover Co. (19e-trolt), draws fresh air through the washer and eliminates and delivers into the build-ing nearly 2,000,000 cubic feet of purified and cooled air every hour. The "Sirocco" fan is belted to a 15-horse-power 229-volt direct-con nected motor.

TRADE LITERATURE.

The Gimlet for June.

The Gimlet for June.

The Gimlet, a magazine for hardware besses and their cierks, is being distributed for June and contains valuable and interesting information and humor for those interested in hardware. This publication is issued monthly and may be obtained by addressing Mike Kenney, teamster and editor, care Norvell-Shapleigh Hardware Co., St. Louis.

Metal Frame Fly Screens.

Metal Frame Fly Screens.

A booklet illustrating and describing Hope metal frame fly screens has been issued by the Hope Metal Frame Screen Manufacturing Co., main office and plant, Hope, Ark. These screens are claimed to be perfect fitting, rustless and high class, and have been widely adopted by architects and others. They are said to cost no more than woodframe screens and may be manufactured on special orders. special orders.

Weinman Pumping Machinery.

Among prominent manufacturers of pump-ing machinery is the Weinman Pump Manu-facturing Co., Columbus, Ohio. This com-pany manufactures steam, belt-driven and electric-driven pumps for all purposes, and has issued catalogue No. 11, illustrating and describing them. It has endeavored to illustrate, describe and list its line of pumping machinery as it now exists, and to make the list of sizes of the various types as complete in detail as possible.

Imperial Pacumatic Hammers.

For whatever service pneumatic hammers may be used, proper efficiency can only be obtained by using hammers of suitable weight and stroke for each class of work. Among users of pneumatic tools "Imperial" hammers have become well known for reliability and satisfactory performance. These hammers are manufactured by the Ingersoll-Rand Company. 11 Broadway. New York, which is distributing bulletin No. 8003, illustrating and describing its Type E Imperial hammer, embodying all late improvements.

Some Sprague Literature.

Bulletin No. 600, illustrating and describing single and polyphase induction motors, has been issued by the Sprague Electric Co., gen-eral offices 527-53I West 34th street, New York. The illustrations in this publication are nu-merous and clear, while the descriptive data,

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tables, etc., should be of value to those in-terested in motors of this character. The Sprague company has also issued pamphlets Illustrating and describing the Sprague flexible steel armored hose and the Sprague elec

Waiters on the Payroll.

At the suggestion of a clerk in the only one of the users of Burroughs adding ma-hines, who stated that the office was equipped with only one machine and that oftentimes it was necessary to wait until the machine was not in use, the company sent its representative to the office and se cured orders for three additional machi-For the purpose of forcibly presenting the disadvantage and expense of having waiters on the pay-roll the Burroughs Adding Machine Co., Detroit, Mich., is distributing an folder, and invites correspondence who need machines.

Hill Friction Clutches.

Clutches, primarily, are appliances for con venience and economy and are installed to obtain flexibility in power transmission. By their use part of the equipment may be op-erated overtime or on short time, or repairs may be made during working hours. A clutch which has been widely introduced and is in successful operation is the Hill friction clutch. This device is manufactured by the Hill Clutch Co., Cleveland, O., and other cities, and is illustrated and described in rue No. 8, which the company is dis

Pointers on Machinery,

A pamphlet illustrating and describing its us products has been issued by the Cincinnati Iron & Steel Co., Cincinnati, O. This company carries in stock a complete line of equipment for machine, automobile, carriage, wagon, blacksmith, sheet-metal and structural shops, and also manufactures and controls eleven distinct lines of machinery. These include Cisco-Toledo electric and hand cranes, hand-power bending rolls, sensitive drills, upright drills, floor cranes, lathes, bar benders, hoist holders, clutches, lathe swing attachment and hand-power punches and

Catalogue of Track Equipment.

For the purpose of illustrating and briefly describing its products and to present an idea of the variety of its manufacture, the Conley Frog & Switch Co., main office and plant, Memphis, Tenn., has issued catalogue No. 2. This publication is handy and should be of value to those interested in track equipment for any purpose. Among the products of the company are the Conley patent frog, standard and special frogs, switches, crossings, switch stands, rail braces and other equipment for steam, electric, mining, logsawmill, plantation and industrial

New Western Electric Bulletin.

Bulletin No. 1008, describing telephot power plant equipments for non-multip switchboards, has been issued by the Wester Electric Co., 463 West street, New York. Th publication contains 24 pages, and is illus trated with numerous diagrams and cuts. esents some features of Western Electric over apparatus designed especially for tele phone plants, the subject-matter covering ich apparatus as is required for non multiple switchboards having capacity up to 800 lines, and which have been previously described in bulletins Nos. 1003 and 1004 (non-multiple central office switchboards) and No. 1005, branch exchange switchboards

The Huther Saw Catalogue.

An attractive catalogue illustrative and de criptive of the products of the Huther Brothers Saw Manufacturing Co., 1190 University avenue, Rochester, N. Y., has been issued by that company. Much space has been given to illustrations and descriptive data relating to band, circular and milling saws, and to saw-fitting machinery, all of which should be of interest to lumber manufacturers and others. Among the products of the Huther company are circular saws, patent dado heads, milling saws, patent box board matcher cutters, lock corner cutters, concave saws, saw-fitting machinery, various kinds of special grooving saws, sheet-steel

Steel Derricks and Drilling Machines

The essential idea of drilling, to all intents The essential idea of drilling, to all interns and purposes, is said to have been embodied in the use of the spring pole, rope and bit with which the first sait well was driven. The successor to this primitive equipment is board 4s, 83½; do. stamped, 82% to 83; the cable system of deep well drilling, with a four-legged braced derrick, string of tools, cleaning devices, raising and lowering 90%; Mt. Vernon-Woodberry Cotton

mechanism, casing, etc. Derricks of this de- Duck 5s, 71 to 68%; G.-B.-S. Brewing Savannah, Fla. & West, 5s, 1934..., 111 sign were first made of timber, but at the present time it is stated that the deterioration in character of the timber available derrick construction, with other reasons, has materially interfered with its adaptation to ay conditions. A pamphlet, w Issued by the Carnegie Steel been Isi Pittsburg, Pa., presents some of the advan-tages of steel for the construction of der-ricks and drilling machines for deep-well drilling, and describes certain types designed to provide maximum efficiency for a minimum of expenditure and to make suggestions as to their most economical use. The Carnegle company manufactures and sells steel derricks and drilling machines for cil, gas, salt and other wells, and the pamphlet referred to illustrates two of its types—the Standard and Oklahoma—which have been designed to conform to the requirements and preferences of drillers, and preferences of arms con-ed to possess, so far as con-tness and strength, all the hich are claim sistent with stiffness and strength, al elements of simplicity and portability.

Blasting Supplies Catalogue.

The importance of keeping blasting sup plies up to the highest standard in every respect cannot be overestimated, for the b grades cost but a trifle in comparison with grades cost but a triffe in comparison with the charge of explosives in connection with which they are used. It is poor economy to attempt to detonate explosives with an in-ferior article, as it is calimed that a con-siderable waste of the value of the explo-sives always results. When a high explosive, such as dynamite, is the blasting agent the electric fuse is the detonator and used when electric tuse is the defonator and used when fring electrically. It consists of a copper capsule or shell containing a detonating charge surrounding a fine platinum bridge, which joins the tips of two insulated copper wires of various lengths. In certain classes wires of various lengths. In certain classes of tunnel or shaft excavating "delay action" fuses have been used to advantage. These are made so that a very short space of time intervenes between their ignition by the electric current and their detonation. large and complete catalogue relating these and other modern and effective bl ing supplies is now being prepared by the E. I. Du Pont-De Nemours Powder Co., Wilmington, Del. Among the products of this company are blasting caps, blasting ma chines, blasting mats, cap crimpers, conneeting wire, electric fuses, electric squibs, galvanometers, insulating tape, leading wire, leading wire reel, pocket batteries, rheostats, safety fuses, tamping bags, thawing kettles,

A Letter from France.

F. Henry, 28 Rue de Bondy, Paris, France, writes the Manufacturers'

"I am looking out for one or several first-class agencies from manufacturers wishing to undertake business in Europe. I am ready to make trials with any kind of goods, and I feel quite sure I can make important sales if goods can compete. I have been established 20 years as a commission agent, and trade for my own account. I have large offices, and may be useful to your subscribers in Europe. You can apply here for any kind of goods you may want."

FINANCIAL NEWS

The MANUFACTURERS' RECORD invites infor mation about Southern financial matters, items of news about new institutions, divi-dends declared, securities to be issued, openings for new banks, and general discus of financial subjects bearing upon Southern

Review of the Baltimore Market.

Office Manufacturers' Record, Baltimore, Md., July 13.

In the Baltimore stock market during the past week there was a little activity. The trading showed sales thus: United Railways common, 14 to 1434; do. trust certificates, 13% to 14%; do. incomes, 571/2 to 581/4; do. funding 5s, 801/2 to 811/8; do. do. scrip, 801/2 to 811/2; United 4s, 831/2 to 84; United Light & Power

1sts. 41%.

Bank stock sold as follows: Citizens', 371/8; Farmers and Merchants', 453/4; Union, 1171/2 to 1171/4; Bank of Baltimore, 118% to 1181/4; German-American, 1071/2; Western, 361/4; Mechanics', 27.

Fidelity & Deposit sold at 147; American Bonding, 79 to 79%; United States Fidelity, 135; Mercantile Trust, 137; Maryland Casualty, 90; Union Trust, 73.

Other securities were traded in thus: Georgia, Carolina & Northern 5s, 104 to 1031/2: Georgia Southern & Florida 5s, 107; Northern Central Railway stock, 125 to 130, with last sale at 128: Baltimore Traction (North Baltimore division) 5s, 110: West Virginia Central 6s, 100% to 100%: Georgia & Alabama Consolidated 5s, 1021/2 to 1021/4; Jamison Coal & Coke, George's Creek 5s, 90; do. scrip, 90; Alabama Consolidated Coal & Iron preferred, 5014: Washington & Vandemere 416s, 93: Norfolk & Portsmouth Traction 5s, 82% to 821/2; Wilmington & Weldon 5s, 1081/2; do. 4s, 98; Maryland Electric 5s, 961/2; Washington, Baltimore & Annapolis com mon, 21/4 : Consolidation Coal, 110: Maryland & Pennsylvania common, 20; Baltimore City Passenger 5s, 100; Coal & Iron Railway 5s, 100; City & Suburban (Baltimore) 5s. 106: Knoxville Traction 5s. 102; Baltimore, Sparrows Point & Chesapeake 41/2s, 921/4; Baltimore Electric 5s, stamped, 841/2; Florida Southern 4s, 90; Western Maryland preferred, 68: Central Railway (Baltimore) construction 5s, 1061/4 : Baltimore City 31/2s, 1940, 93; do. 5s, 1916, 104 ; do. 4s, 1954, $100\frac{1}{4}$; Richmond Traction 5s, 105; Charleston Consolidated Electric 5s. 93: Atlantic Coast Line of Connecticut 5-20s, 881/2 to 89; Fairmont & Clarksburg Traction 5s, 95; Virginia Midland general mortgage 5s, 1051/4; Oregon Water Power & Railway 1st 6s. 1932. 104; Virginia New 3s, 85; Norfolk & Carolina 1st 5s, 1091/4; Wilmington Bridge 5s, 1041/2.

SECURITIES AT BALTIMORE.

Last Quotations for the Week Ended July 13, 1910.

Railroad Stocks. 40 92 75 19 24 40 42 14¼ 14%

United Rys. & Elec. Co...

Bank Stocks.
Citizens' National Bank....
Drovers & Mech. Nat. Bank...
First National Bank...
Maryland National Bank.
Merchants' National Bank.
National Bank of Baltimore.
National Bank of Commerce.
National Bank of Commerce.
National Exchange Bank
National Howard Bank.
National Howard Bank.
National Howard Bank.
National Marine Rank.
National Marine Rank. 37 225 135 22½ 172½ 175 118 125 29½ 155 ... 13½ ... 42 ... 27 117 122 191½ 200 37 Exchange Bank......
Howard Bank......
Marine Bank......
Mechanics' Bank....
Union Bank of Md...

I. S. Fidelity & Guaranty... 100 133

Miscellaneous Stocks...
Con. Cotton Duck Common... 50 ...
Con. Cotton Duck Pfd..... 50 ...
Con. Gas. Elec. Lt. & P. Com... 100 60
Con. Gas. Elec. Lt. & P. Pfd... 100 87
Consolidation Conl..... 100 110
Georges Creek Coal...... 100 ...
Mer. & Miners' Trans. Co. V. T. 100 71 88 111½ 15 74 71

Savannah, Fla. & West. 6s. 82/2 Seaboard 4s, Stamped. 82/2 Seaboard Air Line 5s, 10-year, 1911. 89½ Seaboard Air Line 5s, 3-year. 99 Seaboard Adjustment 5s. 72½ Seaboard Adjustment 5s. 72/2 Seaboard & Roanoke 5s, 1926. 104 Virginia Midland 5th 5s, 1926. 104 Western N. C. Con. 6s, 1914. 105 W. Va. Cent. 1st 6s, 1911. 106% Wilmington & Weld. Gold 5s, 1935. 108½	99%	
Street Railway Bonds.		
Anacostia & Potomac 5s, 1949 991/2	10014	
Anacostia & Potomac 5s, Gtd	1021/4	
Balto. City Pass. 5s, 1911 99%	100	
Balto, City Pass, 41/28	100	
Balto., Sp. Pt. & C. 41/28 921/4	***	
Balto. Trac. (N. B. Div.) 58, 1942. 10914	111%	
Charleston City Railway 5s, 1923	1021/2	
Charleston Con. Elec. 5s, 1999 93	***	1
City & Suburban 5s (Balto.), 1922. 106	10614	1
City & Suburban 5s (Wash.), 1948. 101	102	١
Fairmont & Clarksburg 5s 94%	9514	1
Lake Roland Elevated 5s, 1942	110	1
Lexington Railway 1st 5s, 1949 85 Macon Ry. & Lt. 1st Con 5s, 1953 95	96	1
Maryland Electric Railways 58 96	9615	1
Memphis Street Railway 58 99	991/2	
Norfolk & Portsmouth Trac. 58 811/2	8214	
Norfolk Railway & Light 58	100	1
Norfolk Street Rallway 5s, 1944	106	1
Richmond Traction 58 1041/2	***	1
United Railways 1st 4s, 1949 83%	8374	1
United Railways Inc. 4s, 1949 577%		1
United Railways Funding 5s 81	811/2	ı
Miscellaneous Bonds.		J
Baltimore Brick 58	7412	1
Baltimore Electric 5s, Stamped 85		ı
Consolidated Gas 5s. 1939 10734	108%	ı
Consolidated Gas 4½s	91	1
GBS. Brewing 1st 4s 411/2	42	ı
	10212	ı
Maryland Telephone 58 991/2		ı
Mt. Vernon-Woodb'y Cot. Duck 5s. 681/2	69	J
United Elec. Lt. & P. 4½s 88½	3/1	ı

SOUTHERN COTTON-MILL STOCKS.

Quotations Furnished by William S. ked.

Glenn, Broker, Spartanbu for Week Ending Jul	rg, S	. C.,
		Asked
Abbeville Cotton Mills (S. C.)		75
Aiken Mfg. Co. (S. C.)	90	
Abbeville Cotton Mills (S. C.) Aiken Mfg. Co. (S. C.) American Spinning Co. (S. C.)	160	***
Aiken Mfg. Co. (S. C.)	53	65
American Spinning Co. (S. C.) Anderson Cotton Mills (S. C.) Arcadla Mills (S. C.) Arcytish Cotton Mills (S. C.) Augusta Factory (Ga.) Avondale Mills (Ala.) Belton Mills (S. C.) Brandon Mills (S. C.) Cannon Mfg. Co. (N. C.) Cabarrus Cotton Mills (N. C.) Cabarrus Cotton Mills (N. C.) Chadwick Mfg. Co. (N. C.) Clidton Mfg. Co. (S. C.) Clilton Cotton Mills (S. C.) Courtenay Mfg. Co. (S. C.) Dallas Mfg. Co. (Ala.) Darlington Mfg. Co. (S. C.) Dallas Mfg. Co. (S. C.)	100	103
Augusta Factory (Ga.)	60	65
Avondale Mills (Ala.)	116	***
Belton Mills (S. C.)	137	140
Brandon Mills (S. C.)	97	102
Caharrus Cotton Mills (N. C.)	130	135
Chadwick Mfg. Co. (N. C.) Pfd	100	
Chiquola Mfg. Co. (S. C.)		180
Clifton Mfg. Co. (S. C.)	100	105
Columbus Mer Co (Ca)	120	130 98
Courtenay Mfg. Co. (S. C.)	20	100
Dallas Mfg. Co. (Ala.)	99	***
Darlington Mfg. Co. (8. C.)	80	85
D. E. Converse Co. (S. C.)	0.5	100
Fagle & Phonix Mills (Co.)	117	105
Easley Cotton Mills (S. C.)	175	185
Enoree Mfg. Co. (8, C.)	57	60
Enoree Mfg. Co. (S. C.) Pfd	95	100
Enterprise Mfg. Co. (Ga.)	80	85
Eagle & Phenix Mills (Ga.). Easley Cotton Mills (S. C.). Enoree Mfg. Co. (S. C.). Enoree Mfg. Co. (S. C.) Pfd. Enterprise Mfg. Co. (Ga.) Exposition Cotton Mills (Ga.). Capture Mfg. Co. (C. C.)	90	200 85
Gainesville Cotton Mills (Ga.)	75	80
Glenwood Cotton Mills (S. C.)		150
Gluck Mills (S. C.)	100	102
Granby Cot, Mills (S. C.) 1st Pfd.	35	45
Granteville Mig. Co. (S. C.)	58	165 61
Grendel Mills (S. C.)	114	117
Hartsville Cotton Mills (S. C.)	175	
Henrietta Mills (N. C.)	160	175
Inman Mills (S. C.)	104	108
Exposition Cotton Mills (Ga.) Gaffney Mfg. Co. (S. C.). Gainesville Cotton Mills (Ga.) Glenwood Cotton Mills (Ga.) Glenwood Cotton Mills (S. C.). Granby Cot. Mills (S. C.) 1st Pfd. Graniteville Mfg. Co. (S. C.). Greenwood Cotton Mills (S. C.). Greenwood Cotton Mills (S. C.). Hartsville Cotton Mills (S. C.). Henrietta Mills (S. C.). King Mfg. Co., J. P. (Ga.) Lancaster Cotton Mills (S. C.) Lancaster Mills (S. C.). Lancaster Mills (S. C.). Lancaster Mills (S. C.). Lancaster Mills (S. C.).	130	93
Lancaster Cot. Mills (S. C.) Pfd	97	100
Langley Mfg. Co. (S. C.)	97 120	127
Laurens Mills (S. C.)	127	170
Limestone Mills (S. C.)	78	85
Lockhart Mills (S. C.) Pfd	99	100
Loray Cotton Mills (N. C.) Pfd.,	95	971/4
Marlboro Cotton Mills (S. C.)	80	85
Mills Mig. Co. (8. C.)	105	102 110
Langley Mfg. Co. (S. C.) Laurens Mills (S. C.) Limestone Mills (S. C.) Lockhart Mills (S. C.) Lockhart Mills (S. C.) Lockhart Mills (S. C.) Loray Cotton Mills (N. C.) Pfd. Marlboro Cotton Mills (S. C.) Mills Mfg. Co. (S. C.) Mollohon Mfg. Co. (S. C.) Monarch Mills (S. C.) Monarch Cotton Mills (S. C.) Newberry Cotton Mills (S. C.) Ninety-six Cotton Mills (S. C.)	109	112
Monarch Cotton Mills (S. C.)	105	107
Newberry Cotton Mills (S. C.)	125	130
Newberry Cotton Mills (S. C.) Ninety-six Cotton Mills (S. C.) Norris Cotton Mills (S. C.) Olympia Cotton Mills (S. C.) Olympia Cotton Mills (S. C.)	140	150 130
Olympia Cotton Mills (S. C.)	90	100
Orr Cotton Mills (S. C.)	106	109
Pacolet Mfg. Co. (S. C.)	* 1.2	101
Pacolet Mfg. Co. (S. C.) Pfd	99	102 169
Pelzer Mrg. Co. (S. C.)	175	177
Poe Mfg. Co. F. W. (S. C.)	170	180
Saxon Mills (S. C.)	127	78
Sibley Mfg. Co. (Ga.)	71	78 140
Spartan Mills (S. C.)	131	140
Tucapau Mills (S. C.)	200	
Union-Buffalo (S. C.) 1st Pfd	74	80
Union-Buffalo (S. C.) 2d Pfd	17	25
Warren Mfg Co (S. C.)	107	125
Warren Mfg. Co. (S. C.) Pfd	106	110
Washington Mills (Va.)	28	
Washington Mills (Va.) Pfd	106	110
Whitney Mig. Co. (S. C.)	125	
Woodruff Cotton Mills (S. C.)	125	130
Woodside Cotton Mills (S. C.)	105	110
Watts Mills (S. C.)	95	100
Newberry Cotton Mills (S. C.). Ninety-six Cotton Mills (S. C.). Norris Cotton Mills (S. C.). Orris Cotton Mills (S. C.). Orr Cotton Mills (S. C.). Proceed Mills (S. C.). Pacolet Mig. Co. (S. C.). Pacolet Mig. Co. (S. C.). Pacolet Mig. Co. (S. C.). Piedmont Mig. Co. (S. C.). Piedmont Mig. Co. (S. C.). Poe Mig. Co. F. W. (S. C.). Saxon Mills (S. C.). Sibley Mig. Co. (Ga.). Spartam Mills (S. C.). Trion Mig. Co. (Ga.) Trion Mig. Co. (Ga.) Trion Mig. Co. (Ga.) Victor Mig. Co. (S. C.). Union-Buffalo (S. C.) 1st Pfd. Victor Mig. Co. (S. C.) Warren Mig. Co. (S. C.) Warren Mig. Co. (S. C.) Warren Mig. Co. (S. C.) Washington Mills (Va.). Washington Mills (Va.) Washington Mills (Va.) Woodfulf Cotton Mills (S. C.) Woodfulf Cotton Mills (S. C.). Williamston Mills (S. C.). Williamston Mills (S. C.).	120	7-0

Bank Reports.

The National Exchange Bank of Baltimore, Md., reports June 30, 1910, loans and discounts, \$3,776,464; due from banks, \$900.313: cash and due from reserve agents, \$1,461,953; capital stock; \$1,000,-000; surplus and undivided profits, \$694,-

[For Additional Financial News, Sec Pages 70 and 71.]

Established 1835

The Merchants National Bank

South and Water Sts., BALTIMORE, MD. DOUGLAS H. THOMAS, President.
WM. INGLE, Vice-Fr st. and Cashier.
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521; deposits, \$4,747,979; total resources, \$7,798,501; Waldo Newcomer, president; Summerfield Baldwin, vice-president; R. Vinton Lansdale, cashier, and Clinton G. Morgan, assistant cashier.

The First National Bank of Richmond, Va., reports June 30, 1910, loans and discounts, \$6,663,025; cash and due from banks, \$1,737,585; capital \$1,000,000; surplus fund, \$1,000,000; undivided profits, \$15,783; circulation, \$945,900; individual deposits, due to banks, and United States deposits, \$5,922,126; total 15-sources, \$9,516,786; John B. Purcell, president; John M. Miller, Jr., vice-president and cashier; Frederick E. Nolting, vice-president; Chas. R. Burnett, J. C. Joplin, W. P. Shelton and Alex, F. Ryland, assistant cashiers.

FINANCIAL CORPORATIONS.

Ala., Bridgeport.—Reported that a new bank is to be established by J. C. Jacobs, president of the J. J. Jacobs Banking Co. of Scottsboro, Ala.

Ala., Iron City.—The Farmers' Bank, capital \$16,000, is reported to have begun business with officers thus: President, J. L. Hollis; cashier, T. M. Leech; directors, J. M. Forsythe, J. B. Gabel, J. L. Hollis, R. L. Heffagton, A. S. Goad, J. B. McMackin, W. W. Robertson and T. M. Leech.

Ark., De Witt.—The Commercial Bank of De Witt chartered; capital \$15,000 paid up; J. W. Allen, president; L. A. Black, vicepresident; J. M. Thompson, cashier. Business is to begin about July 30.

Ark., Lake City.—The Bank of Lake City, capital \$25,000, is reported incorporated by W. T. Lane, president; W. H. McAdams, J. J. Smith, O. T. Fletcher, A. T. Gibson, G. W. Spencer, W. B. Armstrong and J. M. Payne.

Ark., Little Rock.—Official: The Arkansas Savings Bank incorporated. Authorized capital \$100,000, with \$25,000 paid in. Directors: J. Niemeyer, president; J. S. Pollock, vice president; T. H. Simms, Jr., treasurer; Thos. Shannon, secretary; F. W. Niemeyer, assist ant secretary; J. A. Bowman and Thomas Lonergan of Little Rock and E. D. Carter of Erle, Pa. Business is to begin about September 1. Temporary office, \$14 State Bank Bidg.

Fla., Clearwater.—The First National Bank of Clearwater has been approved; capital, \$25,000; organizers, B. P. Coachman, David Howell, W. C. Gardinhiere and W. F. Hughey.

Fla., Tampa.—The Mutual Investment Association, capital \$10,000, has made application for a charter. Directors: D. A. Perrin, president; C. W. Patterson, treasurer; R. M. Perrin, secretary, Tampa, Fla.; K. S. Johnson, Sanford, Fla., and Peter Johnson, Tampa, Fla.

Fla., Tampa.—The Southern States Securities & Realty Co., capital \$250,000, has filed articles of incorporation. Directors: President, W. A. Varnedo; vice-presidents, S. C. Wood and C. H. Brown; secretary and treasurer, T. K. Wilson; F. M. Simonton.

Fla., Tampa.—Official: The Sumter County State Bank is being incorporated with \$15,000 capital; J. C. Getzen, president; J. W. Fussell, vice-president; J. R. Tatum, S. C. Woods and W. J. Fussell, directors. Business is expected to begin September 1.

Ga., Fort Gaines.—An official letter confirms the report that the Union Savings Bank, capital \$30,000, has organized with J. Eugene Peterson, president; W. T. Criddle, vice-president, and W. H. Campkin, assistant cashier.

Ga., Savannah.—The Real Estate Bank is reported to have begun business at Congress and Drayton Sts. with Jacob S. Collins, president; Robert M. Hicks, first vice-president; Carl Mendel, second vice-president; John E. Foy, chairman board of directors; Grover C. Paulsen, cashier; William F. Lynes, teller; Edward S. Elliott, attorney; Miss Mary Nugent, cashier of the savings department.

Ky., Franklin.—Press dispatches state that a trust company is to be formed in connection with the McElwain-Meguier Banking Co., to be known as the McElwain-Meguier Bank & Trust Co., with capital of \$50,000. J. II. Covington will be manager.

Ky., Bethel.—Official: The Bethel Bank incorporated; capital \$15,000. Business began March 24 with W. H. Pievatt, president; T. O. Robertson, vice-president; J. P. Ballinger, cashier; directors, J. D. Dickens, Jacob Boyd, W. H. Pievatt, W. R. Peters, Jr., Claude Whaley, T. O. Robertson, J. S. Vice and W. L. Day. Ky., Louisville.—The Kentucky Securities Co., capital \$25,600, has filed articles of incorporation; incorporators, J. T. Gathright, William S. Minary and Marmaduke P. Sale.

Ky., Lone Oak.—Arrangements are reported being made to organize a new bank with \$30,000 capital.

Md., Galena.—Official: The Chestertown Bank of Maryland, Chestertown, on June 30 opened a branch at Galena.

Md., Grantsville.—The First State Bank of Grantsville is reported to have made application for a charter; capital \$15,000; J. O. Getty and others, organizers.

Mo., Excelsior,—The Excelsior Springs Savings and Loan Association, capital \$10,000, is reported incorporated by William McRorey, H. L. Moore, A. M. Bates and others.

Okia., Enid.—J. J. Cunningham, secretary Enid Chamber of Commerce, writes: "It was rumored that another bank would be opened, but efforts to locate the parties have not met with success."

Okla., Goltry.—Official: The Goltry State Bank chartered; capital \$10,000; incorporators, James H. Box, C. F. Preston, C. E. Thornburg and G. P. Powelson. Business began July 1.

Okla., Oklahoma City.—The Home Life Insurance Co. of Oklahoma is reported chartered with \$100,000 capital; directors, N. L. Linebaugh, John N. Shepler, J. B. Rolater, T. J. Wood, Claude Miller, C. T. Berryman, J. C. Skeen, S. I. Kolb and D. P. Lowry of Oklahoma City; F. M. Frey of Chickasha; H. W. Stover of Tulsa.

Okla., Richmond.—Official: The Bank of Greensboro has been incorporated at Richmond, Okla., and not Greensboro, Okla., as previously reported. H. C. Jones is cashier.

S. C., Elloree.—Official: The People's Bank of Elloree is to be chartered with \$25,000 capital. Directors: G. W. Shumaker, A. W. Browning, E. F. Ulmer, E. F. Irlek, W. M. Fair, Elloree; G. P. Caughman, Columbia, S. C.; J. S. Hart, Vance, S. C.; E. M. Parler, Parler, S. C.; W. P. Gramling, Orangeburg, S. C.; G. A. Baxter, Saint Matthews, S. C. Business is expected to begin September 1.

S. C., Hartsville.—Official: The Realty Loan & Insurance Co. has applied for a charter; capital \$20,000; directors, C. W. Coker, president; M. S. McKinnon, vice-president; L. Vaughan, secretary and treasurer; Wiliam Moncure and J. C. Bunson,

S. C., Ridgeville.—The Bank of Ridgeville is reported to have been granted a commission; capital \$25,000; petitioners, William G. Harvey and T. Moultrie Mordecal of Charleston.

S. C., Walterboro.—Press dispatches state that steps are being taken to organize a new bank. Among those reported interested are Jas. E. Peurifoy, L. C. Padgett and J. D.

Tex., Amarillo.—Official: The First State Bank is to be chartered immediately with \$50,000 capital; Jas. F. Sadler, Jr., president; Thos. F. Turner, vice-president and attorney; W. N. Sadler, cashier, and F. M. Pope, assistant cashier. Business is to begin about July 20.

Tex., Amarillo.—The Plains National Bank has been approved; capital \$300,000; organlzers, R. B. Masterson, A. G. Boyce, W. Boyce and H. G. Hendricks.

Tex., Beaumont. — Official: The Davidson Securities Co. has organized with \$200,000 capital paid in. Business is to begin July 17 with directors thus: Frank Alvey, president; F. M. Law, vice-president and treasurer; Guy W. Junker, secretary; W. S. Davidson, John N. Gilbert, V. Wiess, W. P. H. McFaddin, John Ward, Joe E. Carroll, C. L. Wallis and Leon R. Levy. Leon Sonfield is attorney.

Tex., Brownwood.—Official: The Coggin National Bank, capital \$100,000, surplus \$50,000, expects to begin business about July 15 with S. R. Coggin president and N. A. Perry vice-president, Brownwood; C. H. Bencini, vice-president, Fort Worth; W. A. Waldrop, cashler, and B. H. Bettis, assistant cashler, Brownwood.

Tex., Fort Worth.—Official: The Bankers' Trust Co., capital \$400,000, has organized with officers thus: President, R. T. Stuart; vice-presidents, Coke W. Harkrider (active), George L. Paxton, W. B. Slaughter, L. T. Lester, C. H. Boedeker, J. I. McDowell, W. B. Harrison: secretary and treasurer, Ben F. Allen, Sr.; attorneys, Capps, Cantey, Hanger & Short. In connection with the Eankers' Trust Co. the Commonwealth Bonding & Accident Co. is being organized with an approximate capital of \$800,000. Business is expected to begin early in the fall.

Tex.. Fort Worth.—The Bankers' Trust Co., capital and surplus \$400,000, is reported organized by R. T. Stuart, vice-president; Coke W. Harkrider, active vice-president; W. B. Harrison, president of the State National Bank, vice-president and chairman of the board of directors; Capps, Cantey, Hanger & Short, general counsel. Other vice-presidents include George L. Paxton of Abilene, W. B. Slaughter of Dalhart, L. T. Jester of Canyon City, C. H. Boedeker of Bowie and J. I. McDowell of Big Springs; Ben F. Allen, Sr., of Vernon, secretary-treasurer.

Tex., Lufkin.—Official: The Lufkin Investment & Loan Co. incorporated; capital \$10,000; W. M. Glenn, president; C. R. Rowe, vice-president, and Kenneth Haskins, secretary and treasurer. Business is to begin immediately.

Tex., Lyford.—Concerning organization of a new bank, a letter to the Manufacturers' Record says "report untrue."

Tex., Waco.—Official: The Central Texas National Bank, capital \$300,000, expects to begin business about August 1 with W. H. McCullough, president; R. B. Spencer, Gip Smith and C. L. Johnson, vice-presidents; F. E. McLarty, cashier; L. A. Brooks and M. L. Hirschfelder, assistant cashiers.

Va., Roanoke.—The American Trust Co. incorporated; capital \$50,000; directors, Geo. H. P. Cole, president; E. W. Poindexter, vice-president; C. E. Holcomb, cashier; J. B. Vaughan and J. P. Flippo. John M. Cole is assistant cashier. Business began July 1.

Va., Standardsville.—The Bank of Green, capital \$10,000 to \$25,000, is reported incorporated by E. W. Sims, president; J. S. Chapman, vice-president; E. D. Davis, secretary; W. Frank Hisey, cashier.

NEW SECURITIES.

Ala., Anniston.—An official letter confirms the report that the election June 28 to vote on \$100,000 of 4 per cent. second mortgage londs for purchasing plant of the Anniston Water Supply Co. was defeated; John S. Stump, City Clerk.

Ala., Evergreen.—Official: Bids will be received until noon July 15 for \$20,000 of 5 per cent. Conecuh county road-improvement bonds. Address F. J. Dean, Judge of Probate.

Ala., Huntsville.—Reported that \$40,000 of 6 per cent, paving bonds are to be issued.

Ala., Guntersville.—City is reported to have sold at private sale \$15,000 of water-works and school honds.

Ala., Hartselle.—Press reports state that an election is to be held August 8 to vote on \$28,000 of 6 per cent. 20-year water-works and electric-light plant bonds.

Ala., Russellville.—August 8 an election is to be held to vote on \$7000 of funding and \$3500 of school-improvement bonds.

Ark., Little Rock.—The Mercantile Trust Co. is reported to have purchased \$42,590 of one-eight-year bonds of West 6th St. improvement district.

Ark., Newark.—The White River Land & Investment Co., F. C. Hoyt, secretary, advises that it proposes to drain 7500 acres of land between Newark and Black River; approximate cost \$12,000. Bonds are to be issued at a low rate of interest and run from 20 to 30 years.

Ark., Stuttgart.—Farson, Son & Co. of Chicago has, it is reported, been awarded at par \$27,000 of 6 per cent. sewer-construction bonds of Stuttgart sewer district No. 1.

Fla., Fort Myers.—Further information received regarding the \$60,000 of sewer, school and water bonds to be voted on August 25 says they are 20-year 5 per cents. Robert Lilly is Myers.

Ga., Montezuma.—Reported voted: \$5000 of

Ga., Sparta.—Official: Election has not yet been called, but it is proposed to issue \$60,-000 of bonds for improvement of roads and public utilities in Hancock county.

Ky., Catlettsburg.—Bids will be received until 1 P. M. July 15 by John F. Haney, president of the Sandy City Common School District, Catlettsburg, for \$2000 of 6 per cent. bonds of Sandy City Common School District No. 37.

Ky., Hopkinsville.—Seasongood & Mayer are reported to have been awarded \$27,000 of 5 per cent. 30-year Christian county roadimprovement bonds at \$500 premium.

Ky., Louisville.—Bids will be received until noon July 25 by the Commissioners of the Sinking Fund for \$500,000 of Louisville Water Co. bonds. Proposals are also invited for exchange of the bonds of the Louisville Water Co., due August 1, 1910, for bonds of this issue. George T. Wood is president, and J. M. Terry, secretary.

Ky., Maysville.—Reported that an election is to be held to vote on \$75,000 of electric-light bonds.

La., Baton Rouge.—Press dispatches state that it is proposed to issue \$200,000 of 5 per cent. 20-30-year bonds for construction of courthouse and jail.

La., Hammond.—Steps are reported being taken to issue bonds for water-works and sewerage systems.

La., Kentwood.- Reported voted: \$30,000 of school-building bonds.

La., Shreveport.—The First National Bank of Shreveport is reported to have purchased \$50,000 of Louisiana State Fair bonds.

Md., Annapolis.—The Annapolis Banking & Trust Co. has purchased at par the \$24,000 of 4 per cent, street-improvement bonds.

Md., Denton.—Bids will be received until July 14 for \$8000 of 4½ per cent. Dover bridgebuilding bonds, Caroline county; denomination \$500. Address I. L. Dukes, clerk County Commissioners.

Miss., Amory.—Reported that all bids received July 5 for the \$15,000 of 5 per cent 20year electric-light bonds were rejected, and that new bids will be opened August 2. J. M. May is City Clerk.

Miss., Ellisville.—Reported that an election is to be held to vote on sewerage bonds.

Miss., Greenwood.—Bids will be received until noon July 22 by G. W. Holmes, president of the Lake Henry drainage district, for \$24,000 of 6 per cent. 11-20-year drainage bonds.

Miss., Hazlehurst.—Reported that the Merchants and Planters' Bank of Hazlehurst has purchased at 101.05 the \$15,000 of 5 per cent. school and water bonds. E. M. Cook is Mayor.

Miss., Jackson.—Press dispatches state that the Board of Supervisors of Hinds county will issue \$200,000 of road-improvement bonds.

Miss., Lucedale.—Reported that the Board of Supervisors of George County has authorized an issue of \$10,000 of courthouse bonds.

Miss., Meridian.—Reported voted: \$275,000 of improvement bonds.

Miss., Moss Point.—Official: Bids will be received until 7.30 P. M. August 2 for \$15,000 of 6 per cent. 20-year street-improvement bonds. Address C. M. Fairley, City Clerk.

Miss., Richton.—Official: Bids will be received until noon August 2 for \$12,000 of 6 per cent. 20-year school bonds. Address G. E. Yarborough, Clerk.

Mo., Hannibal.—Hannibal school district is reported offering at private sale \$80,000 of 4 per cent. school-building and repair bonds.

Mo., Liberty.—The First National Bank of Liberty, according to press reports, has purchased at 100.10 the \$20,000 of 5 per cent. 1-10year water-plant improvement bonds.

N. C., Edenton.-W. J. Berryman, secretary Board of Drainage Commissioners, is reported to be receiving bids for \$25,000 of 6 per cent. bonds of Bear Swamp Drainage District.

N. C., Southport.—Reported that on August 13 an election is to be held in Lockwoods Folly township to vote on \$10,000 of road bonds. Address C. N. Leonard, chairman Board of County Commissioners.

N. C., Smithville.—Reported voted: Bonds for road improvements. Address Board of County Commissioners, C. N. Leonard, chairman, Southport, N. C.

N. C., Wilmington.—Steps are being taken, it is reported, to place on the market \$100,000 of sewerage and water bonds. Walter G. MacRae is Mayor.

Okla., Cordell.—Official: Bids will be received until noon July 16 by J. J. McCurley, County Treasurer, for \$75,000 of 5 per cent. 10-20-year Washita county courthouse bonds.

Okla., Oklahoma City.—Official: Bob Parman, City Clerk, will open bids July 25 for \$375,000 of 4½ and 5 per cent. bonds; denomination \$1600.

Okla., Hitchcock.—Reported voted: \$12,000 of municipal improvement bonds.
Okla., Hobart.—The Warner-Quinlan As-

Okla., Hobart.—The Warner-Quinlan Asphalt Paving Co., contractor, is reported to have been awarded \$102,000 of paving bonds.

Okla., Mannsville.—Press reports state that an election is to be held to vote on \$20,000 of water-works bonds.

Okla., Sagamore Hill (P. O. Fort Worth).— Sagamore Hill independent school district is reported to have voted \$3900 of school-building bonds.

Okla., Yukon.—Reported voted: \$30,000 of ater-works and \$10,000 of sewerage bonds.

S. C., Aiken.—Official: An election is to be held July 21 to vote on \$78,000 of water-works bonds. J. B. Salley is Mayor. Greet ness F. C bonds being S. of 5 bonds bids 1 A. M Ter that nane Mayo

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S. C., Chester.—Local banks are reported to have purchased at par \$15,000 of 4½ per cent. 20-40-year school-building bonds of Courthouse Township School District No. 1.

S. C., Elloree.—July 25 an election is to be held to vote on \$5000 of water-works bonds. A. W. Browning is Town Clerk.

A. W. Browning is Town Clerk.
S. C., Greenville.—Reported that R. M.
Marshall & Bro. of Charleston purchased
\$50,000 of the \$100,000 municipal improvement
bonds at 100 1-16, and the National Bank of
Greenville \$12,000 of the \$100,000 past indebtedss bonds. Another report says that Geo.
Gibbon has purchased \$105,000 of the
nds and local banks the balance, the price being slightly above par.

8. C., Williston.—Official: Voted: \$12,000 of 5 per cent. 20-year school district building bonds; denomination \$500; date of opening bids not yet decided. Address W. E. Prothro. A. M. Kennedy is chairman board of trustees.

Tenn., Chattanooga.—Press dispatches state that the \$100,000 street-paving bond ordinance has been signed by T. C. Thompson,

Tenn., Erwin.—Reported voted: \$20,000 of 20-year sewer and street-improvement bonds. Tenn., Lonsdale (P. O. Knoxville).—Cutter & May of Chicago are reported to have been awarded \$30,000 of 30-year bonds.

Tenn.. Murfreesboro. — The Harris Trust and Savings Bank, Chicago, Ill., is reported to have purchased at \$2386 premium \$160,000 of State normal-school bonds

Tex., Austin.-The State Board of Educarex. Austin.—The State Board of Educa-tion has purchased the following securities: Pearsall school district, \$13,000; Plainview school district, \$10,000; city of Alvin school-house, \$12,000; Mount Calm schoolhouse, \$10,-000; Reeves county common school district. \$5000; Wise county common school district.

Tex., Austin.—The Attorney-General has approved the following securities: \$3500 of 5 per cent. 5-20-year Era independent school district schoolhouse bonds; \$19,000 of 5 per cent. 20-40-year Farwell independent school district schoolhouse bonds; \$3000 of 5 per cent. 5-30-year Alvarado refunding bonds; \$18,000 of 5 per cent. 40-year Alvarado school-building bonds; \$12,500 of 5 per cent. 10-40-year Chiton independent school district bonds; \$160,000 of 5 per cent. Brazoria county drainage district No. 3 bonds; \$2000 of 5 per cent. 10-20-year Upshur county school district No. 5 schoolhouse bonds; \$10,000 of 5 per cent. 10-30-year Canyon City independent school-Tex., Austin.-The Attorney-General has 10-40-year Canyon City independent school-house bonds.

Tex., Colorado,—Voted: School bonds. A previous election was declared illegal.

rev., Dublin.—S. H. Prim, president School Board, denies the report that bids were opened July 1 for \$30,000 of 5 per cent. 40-year school bonds. He says: "The bonds are still in the hands of Attorney-General for approval; will offer them for sale later on."

Tex., Georgetown.—Bids will be received until 2 P. M. July 22 by T. J. Lawson, county judge, for \$200,000 of 4½ per cent, 10-40-year road-improvement bonds of district No. 4,

Williamson county.

Tex., Ira.—The town has issued \$3500 of school bonds. They have been approved.

Kyle. — Reported voted: \$8000 of

Tex., Quanah.—August 6 an election is to be held to vote on \$15,000 of additional school

Tex., Memphis.—Official: Bids will be re-ceived until 7.30 P. M. July 15 by J. H. Read, City Treasurer, for \$20,000 of 6 per cent, 20-40-year sewer bonds; denomination \$500; dated

Tex., Midlothian.-Reported voted: \$80,000

Tex., Miami. — An official letter confirms the report that bids will be received until 16 A. M. July 15 for \$20,000 of 5 per cent. 10-20-year school-building bonds; denomination, \$500. Address W. Coffee, County Judge.

Tex., Mission.—Official: June 21 Mission independent school district voted \$12,000 of 5 per cent. 10-40-year school-building and site bonds; denomination \$1000; dated August 1, 1910. J. K. Robinson is president School Board and G. L. Anderson secretary.

Tex., Munday.-Reported voted: \$10,000 of water-works and \$5000 of street-improvement

Tex., Pearland.—Official: Voted--\$124,740.48 of 5 per cent. drainage improvement bonds; denomination \$1000. Address O. W. Willits,

Tex., Penelope.—Official: Bids will be re-ceived at private sale at any time for \$12,590 of 5 per cent. 10-40-year independent school district bonds; denomination \$500. Address R. H. Ethridge.

Tex., Taylor.—Official: Bids will be opened July 22 for \$200,000 of 4½ per cent. 10-40-year road bonds of Precinct No. 4; denomination

Addres S. G. Yakey, road commis-

Va., Roanoke.—Official: The \$40,000 of fire improvement, \$285,000 of street, \$75,000 of sewer and \$100,000 of general improvement 4½ per cent. 30-year bonds offered June 1 were not sold. Address W. L. Craft, City Clerk.

Va., Waynesboro.—Bids will be received until noon July 18 for \$8000 of 5 per cent. 10-35-year water improvement and extension bonds; denomination \$500. Address Paul B. Woodfin, clerk and treasurer. The above is officially confirmed.

W. Va., Huntington.—The Bumpus-Stevens Company of Detroit is reported to have been awarded at \$876 premium the \$50,000 of 5 per cent. 20-year independent school district

W. Va., Keyser.—July 25 an election is to be held to vote on \$30,000 of reservoir bonds. W. Va., Wellsburg.—Bonds for sewer sys-

tem are reported under consideration.

W. Va., Huntington.—Bids will be received until July 28, it is reported, for \$80,000 of building site, \$75,000 of improvement 5 per cent. 30-year bonds and \$225,000 of 6 per cent. 2-10-year paving bonds. Address K. L. Hamllton, clerk Board of Commissioners

At Richton, Miss., bids will be received until noon August 2 for \$12,000 of 6 per cent. 20-year school bonds. Further particulars will be found in the advertising columns.

At Amory, Miss., bids will be received until 8 P. M. August 2 for \$18,000 of 5 per cent. 20-year electric-light-plant bonds. Fur-ther particulars will be found in the advertising columns.

until 2 P. M. July 22 for \$200,000 of 4½ per cent. 10-40-year Williamson county road district bonds. Further particulars will be found in the advertising columns.

At Moss Point, Miss., bids will be received until 7.30 P. M. August 2 for \$15,000 of 6 per cent. 20-year street-improvement bonds. Fur ther particulars will be found in the adver-

FINANCIAL NOTES.

The Bank of Tampa at Tampa, Fla., will, it is stated, open a branch at Ybor City, Fla.

The Dublin Banking Co. and the Laurens Banking Co., both at Dublin, Ga., are, it is reported, to be consolidated.

The Wilson County Bank and the Lebanon National Bank, both of Lebanon, Tenn., are, it is reported, to be consolidated.

The Arkansas Guaranty & Trust Co. of Little Rock, Ark., is reported to have increased its capital from \$50,000 to \$250,000.

The Southern National Bank, according to press dispatches, has absorbed the Third National Bank, both of Louisville, Ky.

The American National Bank of Asheville, N. C., announces that L. L. Jenkins has been elected active vice-president of the bank.

The First National Bank of Newnan, Ga. according to press dispatches, proposes to increase its capital from \$57,000 to \$114,000.

The Bank of Newton, at Newton, Miss., has, according to press dispatches, decided to increase its capital from \$50,000 to \$100,000.

The Virginia-Carolina Chemical Co., Rich mond, Va., has declared a dividend of 5 per cent. on its common stock, payable in four quarterly installments of 1½ per cent. each, the first to be paid August 15. S. W. Travers is treasurer

The National Bank of Gaffney at Gaffney, S. C., according to press dispatches, has de-

\$18,000 5%, 20-Year Bonds

NOTICE.

Amory, Miss., June 2, 1910.

Sealed bids will be received by the Mayor and Board of Aldermen of the town of Amory, Mississippi, until 8 o'clock P. M. August 2, 1919, for 5 per cent, bonds to the amount of eighteen thousand dollars for the purpose of purchasing the electric-light piant. Twenty-year bonds, interest payable annually. Certified check for 5 per cent, of total amount to accompany each bid. The Board of Aldermen reserves the right to reject any and all bids.

J. M. MAY.

J. M. MAY. City Clerk.

Bond Sale Notice

The Commissioners' Court of Williamson County, Texas, will offer for sale on July 22. 1910, at Georgetown. Texas, at 2 P. M., two hundred thousand dollars, 19-40, Road District Bonds; denomination \$1900: interest \$42 per cent., payable semi-annually; bond and interest payable at Austin, Texas, New York or Chicago. Assessed value of road district, \$11,000,000; certified check \$5900 with bid.

T. J. LAWHON, County Judge, Williamson County, Texas.

\$150,000.

The Lynchburg Trust & Savings Bank, trustee, Lynchburg, Va., will open bids July 18 for \$7000 of bonds of the Virginia Coal & OFFICE OF VIRGINIA-CAROLINA CHEMICAL CO.,

The City Savings Bank of Tampa, Fla., is reported to have changed its name to the Bank of Commerce and increased its capital

The Bank of Commerce and Trusts, Richmond, Va., has, according to press reports, decided to increase its capital from \$200,000

The statement of the Farmers' Bank of Nansemond, Suffolk, Va., June 30 shows total resources of \$2,503,735. The loans are \$1,331,495 and the deposits \$1,750,610. It is especially noteworthy that although the bank's capital is only \$20,000, it has a sur-

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CONVENIENCE

SIMPLICITY

cided to increase its capital from \$50,000 to plus of \$500,000 and undivided profits of \$133,\$150,000.

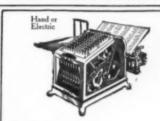
The Lynchburg Trust & Savings Bank, profits of over \$700,000.

Richmond, Va., July 8, 1910.

Richmond, Va., July 8, 1919.

The Board of Directors of Virginia-Carolina Chemical Co. have this day declared a dividend of five (5) per cent. on the common stock of the Company, payable in four installments of 1½% each on August 15, 1910; November 15, 1910; each on August 15, 1910; November 15, 1910; February 15, 1911, and May 5, 1911. For the purpose of said dividend the common stock transfer books will be closed from 3 P. M. August 5 to 10 A. M. August 16, 1910; from 3 P. M. November 16, 1910; from 12 M. February 4 to 10 A. M. February 4 to 10 A. M. February 4 to 10 A. M. February 6, 1911, and from 3 P. M. May 5 to 10 A. M. May 16, 1911.

S. W. TRAVERS, Trensurer.



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BURROUGHS

Adding and Listing Machine

vill help you with your business; large or

small.

It will put short cuts in your book-keeping and save time and trouble in your accounting.

There are 65 styles—one of them just suits your needs.

Burroughs Adding Machine Co.

80 Burroughs Block, Detroit, Mich.

A Large Tract of Wet Alluvial Prairie Land Near New Orleans

New York

Until about four months ago there was one million and a quarter acres of this rich and fertile land in the vicinity of New Orleans for

A firm of strong Chicago operators bought, for immediate improvement, one million acres of the Wisner lands. This company is amply able financially to continuously carry on the drainage of this great holding until it is all reclaimed and sold to farmers. It is for this purpose they bought the land.

Another equally as strong syndicate of Chicago men bought about one hundred thousand acres, for which they paid cash, and which land they are just at this time beginning to improve.

Nearly two years ago a syndicate of local and Eastern men bought four tracts of the Wisner lands, aggregating eighty-five thousand acres. There is one tract of six thousand acres, one of eight thousand acres, one of nine thousand acres and one of sixty-two thousand acres.

They desire to sell the sixty-two thousand acres, and they authorize me to offer it and find a purchaser.

This tract of land is five miles wide and twenty miles long. It is all rich alluvial land, covered with a rank growth of prairie grass. It has good water transportation, and is near the Southern Pacific Railroad.

The price is \$5.00 per acre, and easy terms will be made.

All of the surrounding land is in strong hands, and was bought within these two years for improvement.

This is the largest tract of wet alluvial prairie land near New Orleans which can be bought at this time. In the United States there is not another as good investment.

Section maps and detailed information will be promptly furnished.

O. W. CRAWFORD, Manager Maison Blanche Bullding NEW ORLEANS, LA.

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